

## 1992 INDEX

### A

#### Abdomen

(See also Intra-abdominal)

colectomy and ileorectal anastomosis (see Colectomy, abdominal, and ileorectal anastomosis)

vascular trauma, blunt, *May*, 326-334

combined with ruptured aorta, *May*, 311-313

distribution, *May*, 327

mechanisms of injury, *May*, 293-294

mortality, *May*, 328

treatment, *May*, 328

#### Abscess

antibiotic "cure" of, *Aug.*, 586-587

antibiotic effectiveness in, *Aug.*, 586

aspiration of, needle, *Aug.*, 587-591

bacterial protection by, *Aug.*, 580-586

bacterial self-defense and synergy in, *Aug.*, 581-583

biochemical factors in, *Aug.*, 580-581

#### brain

excision of, *Aug.*, 597

fungal, management of, *Aug.*, 952

vancomycin in, *Aug.*, 586

#### drainage of

excisional, *Aug.*, 591-592

incisional, *Aug.*, 591-595

percutaneous catheter (see

Drainage, percutaneous catheter, radiographically guided, of abscesses)

excision of, *Aug.*, 595

#### intra-abdominal

drainage of, *Aug.*, 602-608

drainage of, percutaneous catheter, *Sept.*, 695-696

location, *Aug.*, 603

management, algorithm for, *Aug.*, 605

types, *Aug.*, 603

#### lung

excision, *Aug.*, 597-599

fungal, management, *Aug.*, 592

pancreatic, drainage of, *Aug.*, 605-608

#### peritonsillar

incision, frequency of successful resolution by, *Aug.*, 588

needle aspiration, frequency of successful resolution by, *Aug.*, 588

needle aspiration of, three-point, *Aug.*, 589

properties of, physical and spatial, *Aug.*, 583-586

soft tissue, curettage and closure, *Aug.*, 595-597

subhepatic, after cholecystectomy, drainage of, *Sept.*, 686-687

treatment methods, *Aug.*, 586-599

#### Achalasia

balloon dilatation for, follow-up results, *July*, 474

barium esophagram showing dilated esophagus and "bird's beak" in, *July*, 457

cricopharyngeal, retention of contrast medium on esophagram in, *July*, 437

myotomy for, lower esophageal sphincter

gastroesophageal reflux, *July*, 474

results, follow-up, *July*, 474

Acquired immunodeficiency syndrome (see AIDS)

Adenocarcinoma: hepatic duct, cholangiogram of, *Mar.*, 170, 177

## 1992 INDEX

### A

#### Abdomen

(See also Intra-abdominal)

colectomy and ileorectal anastomosis (see Colectomy, abdominal, and ileorectal anastomosis)

vascular trauma, blunt, *May*, 326-334

combined with ruptured aorta, *May*, 311-313

distribution, *May*, 327

mechanisms of injury, *May*, 293-294

mortality, *May*, 328

treatment, *May*, 328

#### Abscess

antibiotic "cure" of, *Aug.*, 586-587

antibiotic effectiveness in, *Aug.*, 586

aspiration of, needle, *Aug.*, 587-591

bacterial protection by, *Aug.*, 580-586

bacterial self-defense and synergy in, *Aug.*, 581-583

biochemical factors in, *Aug.*, 580-581

#### brain

excision of, *Aug.*, 597

fungal, management of, *Aug.*, 952

vancomycin in, *Aug.*, 586

#### drainage of

excisional, *Aug.*, 591-592

incisional, *Aug.*, 591-595

percutaneous catheter (see

Drainage, percutaneous catheter, radiographically guided, of abscesses)

excision of, *Aug.*, 595

#### intra-abdominal

drainage of, *Aug.*, 602-608

drainage of, percutaneous catheter, *Sept.*, 695-696

location, *Aug.*, 603

management, algorithm for, *Aug.*, 605

types, *Aug.*, 603

#### lung

excision, *Aug.*, 597-599

fungal, management, *Aug.*, 592

pancreatic, drainage of, *Aug.*, 605-608

#### peritonsillar

incision, frequency of successful resolution by, *Aug.*, 588

needle aspiration, frequency of successful resolution by, *Aug.*, 588

needle aspiration of, three-point, *Aug.*, 589

properties of, physical and spatial, *Aug.*, 583-586

soft tissue, curettage and closure, *Aug.*, 595-597

subhepatic, after cholecystectomy, drainage of, *Sept.*, 686-687

treatment methods, *Aug.*, 586-599

#### Achalasia

balloon dilatation for, follow-up results, *July*, 474

barium exophagram showing dilated esophagus and "bird's beak" in, *July*, 457

cricopharyngeal, retention of contrast medium on esophagram in, *July*, 437

myotomy for, lower esophageal sphincter

gastroesophageal reflux, *July*, 474

results, follow-up, *July*, 474

Acquired immunodeficiency syndrome (see AIDS)

Adenocarcinoma: hepatic duct, cholangiogram of, *Mar.*, 170, 177

Adenomatous polyposis, familial,  
ileal pouch-anal anastomosis for, *Feb.*, 78  
results, *Feb.*, 103-105

#### Age

choledochal cyst and, *June*, 383  
coronary artery bypass and, *Oct.*,  
747  
mortality and, *Oct.*, 754-756  
ileal pouch-anal anastomosis  
and, *Feb.*, 79

#### AIDS

cases, total, in gay men and drug  
abusers, *Apr.*, 225  
cholangitis and, primary scleros-  
ing, *Mar.*, 162  
demential complex, *Apr.*, 212, 219  
demographics, *Apr.*, 224  
historic landmarks, *Apr.*, 207-211  
mortality, *Apr.*, 211  
nephropathy, *Apr.*, 213  
projections for  
annual, *Apr.*, 229  
U.S. and world, *Apr.*, 229  
transfusion-associated, number of  
cases, *Apr.*, 228  
vaccine, *Apr.*, 221

#### Airway

maintenance after penetrating  
neck trauma, *Jan.*, 22  
trauma, penetrating, manage-  
ment, *Jan.*, 43

Albumin: effect on saphenous vein  
graft patency, *Oct.*, 774

#### Alkaline

duodenogastric reflux, ambula-  
tory 24-hour gastric pH  
records in, *July*, 529  
gastroesophageal reflux, *July*, 485,  
486

phosphatase, serum, and chole-  
dochal cyst, *June*, 385

Alkalinization: postprandial, of gas-  
tric pH, and delayed gastric  
emptying, *July*, 540

Allis clamps: in ileal pouch-anal  
anastomosis, *Feb.*, 88

Allopurinol: during neurologic  
reperfusion in aortic surgery,  
*Nov.*, 857

Amebic liver abscess: perforated,  
percutaneous catheter drain-  
age of, *Sept.*, 698

#### Anal

anastomosis with ileal pouch (see  
Ileal pouch, -anal anastomo-  
sis)

motility related to rectal motility  
after ileal pouch-anal anas-  
tomosis, *Feb.*, 116

#### sphincter

resting pressure after ileal  
pouch-anal anastomosis,  
*Feb.*, 106-108

squeeze pressure after ileal  
pouch-anal anastomosis,  
*Feb.*, 108

#### Anastomosis

anal, with ileal pouch (see Ileal  
pouch, -anal anastomosis)

aortic arch, proximal, in acute  
proximal aortic dissection  
repair, *Dec.*, 953-954

bowel, experimental studies of  
prophylactic drainage of,  
*Sept.*, 645-646

in cholangitis, primary sclerosing,  
*Mar.*, 181-183

ileorectal, and abdominal colec-  
tomy (see Colectomy, ab-  
dominal, and ileorectal anas-  
tomosis)

rectal, distal, with ileal pouch,  
*Feb.*, 122-124

diagram, *Feb.*, 123

Andersen-Shirley drain, *Sept.*, 669

Anemia: autoimmune hemolytic,  
and primary sclerosing  
cholangitis, *Mar.*, 162

#### Anesthesia

in aortic surgery, *Nov.*, 875-890  
local, for rigid esophagoscopy,  
*July*, 442

in neck trauma, penetrating, *Jan.*,  
35-37

#### Aneurysm

##### aortic

arch, chest radiograph, aorto-  
gram, and CT scan of, *Nov.*,  
835

**Aneurysm (cont.)**

- proximal descending, MRI of, *Nov.*, 832
- surgery, *Nov.*, 827-911; *Dec.*, 923-1011
- surgery (*See also* Aorta, surgery)
- thoracoabdominal, Crawford classification of, *Dec.*, 926
- pseudoaneurysm (*see* Pseudoaneurysm)
- Angiography**
  - intravenous digital subtraction, in penetrating neck trauma, *Jan.*, 32-33
  - of mammary artery coronary bypass grafts, internal, *Oct.*, 777
- Angioplasty**, percutaneous transluminal coronary
  - number performed, *Oct.*, 748
  - vs. surgery, *Oct.*, 791-792
- Anorectal**
  - abscess, management, *Aug.*, 596
  - angle after ileal pouch-anal anastomosis, *Feb.*, 109
  - inhibitory reflex after ileal pouch-anal anastomosis, *Feb.*, 109-110
  - sensation after ileal pouch-anal anastomosis, *Feb.*, 108-109
- Antenatal studies**: of choledochal cysts, *June*, 382-383
- Antibiotic(s)**
  - in choledochal cyst surgery, *June*, 400, 402
  - after colostomy closure, vs., drainage, *Sept.*, 649
  - "cure" of abscesses, *Aug.*, 586-587
  - effectiveness in abscesses, *Aug.*, 586
  - IV, in penetrating neck trauma, *Jan.*, 51
  - in peritonsillar abscess, *Aug.*, 590
  - prophylactic
    - in appendectomy, *Sept.*, 650
    - in colon surgery, *Sept.*, 655
    - drain tract infections and, *Aug.*, 576-577
    - after femoral artery trauma, blunt, *May*, 340

- after hysterectomy, vs. drainage, *Sept.*, 663
- Anticoagulation**: in penetrating neck trauma, *Jan.*, 38
- Antifibrogenic/immunosuppressive therapy**: in primary sclerosing cholangitis, *Mar.*, 179
- Antigen**
  - HLA, and primary sclerosing cholangitis, *Mar.*, 159-160
  - p24, assays for HIV, *Apr.*, 234-235
- Antireflux**
  - mechanism, mechanical model of, *July*, 483
  - procedure in gastroesophageal reflux
    - choice of, *July*, 510-511
    - principles for, *July*, 508-510
    - requirements for, *July*, 506-508
    - results, *July*, 519-524, 525
- Aorta**
  - ascending
    - reconstruction in chronic proximal aortic dissection repair, *Dec.*, 955-956
    - repair in chronic proximal aortic dissection repair, *Dec.*, 956-957
  - aneurysm (*see* Aneurysm, aortic)
  - balloon pump in, after coronary bypass surgery, *Oct.*, 762
  - cross-clamping in coronary bypass surgery, *Oct.*, 758-759
  - cross-clamping, distal (*See also* Aorta, surgery)
  - arterial pressure alteration after, mean, *Nov.*, 871
  - arterial pressure alteration after, mean (in primates), *Nov.*, 870
  - cardiovascular alterations after, *Nov.*, 869-874
  - hemodynamic alterations after, *Nov.*, 869-874
  - pathophysiology, *Nov.*, 861-874
  - renal ischemia during, *Nov.*, 861-862
  - spinal cord anatomy and, *Nov.*, 862-869

- spinal cord blood flow during, anatomical influences on, *Nov.*, 866-869
  - spinal cord blood supply during, *Nov.*, 862-869
  - spinal cord ischemia during, *Nov.*, 861-862
  - degenerative disease, medial, and aortic dissection, *Dec.*, 928
  - descending
    - channels in, CT scan, *Nov.*, 831
    - repair for acute distal aortic dissection, *Dec.*, 962-963
  - dissection (*see* Aortic dissection *below*)
  - injuries, blunt, *May*, 301-317 (*See also* Rupture, of aorta, traumatic, blunt)
  - pseudoaneurysm, (*see* Pseudoaneurysm, aortic)
  - surgery, *Nov.*, 827-911; *Dec.*, 923-1011
    - anesthetic considerations during, *Nov.*, 875-890
    - aortography before, *Nov.*, 833-838
    - autotransfusion during, *Nov.*, 887-890
    - bypass during, atriofemoral, *Nov.*, 886-887
    - bypass during, cardiopulmonary, *Nov.*, 881-886
    - cardiac catheterization before, *Nov.*, 838-840
    - catheters during, intrathecal, *Nov.*, 876-878
    - catheters during, intravenous, *Nov.*, 878
    - coagulation management during, *Nov.*, 887-890
    - CT scans in, preoperative, *Nov.*, 829-831
    - distal (*see* Aorta, cross-clamping, distal)
    - Doppler flow scans before, *Nov.*, 840-841
    - echocardiography before, *Nov.*, 840-841
    - electrocardiography before, Holter, *Nov.*, 841
    - fluid administration during, *Nov.*, 878-881
    - historical note, *Nov.*, 827-829
    - introduction, *Nov.*, 827
    - monitoring during, *Nov.*, 875-876
    - MRI before, *Nov.*, 831-833
    - preoperative evaluation, *Nov.*, 829-846
    - proximal (*see below*)
    - pulmonary function tests before, *Nov.*, 841-846
    - spinal motor evoked potentials during (in animals), *Nov.*, 877
  - surgery, proximal, *Nov.*, 846-861
    - cardioplegia during, *Nov.*, 846-850
    - hypothermia with circulatory arrest during, and EEG monitoring, *Nov.*, 858-861
    - myocardial protection during, *Nov.*, 846-850
    - neurologic ischemia during (*see* Ischemia, neurologic, during proximal aortic surgery)
    - neurologic reperfusion in, *Nov.*, 850-851, 855-858
    - pathophysiology, *Nov.*, 846-861
  - thoracic, descending, repair for chronic distal aortic dissection, *Dec.*, 962, 964
  - thoracoabdominal, repair in chronic distal aortic dissection, *Dec.*, 963-969, 973
  - unclamping, prevention of hypotension after, *Nov.*, 878-881
- Aortic arch
- anastomosis, proximal, in acute proximal aortic dissection repair, *Dec.*, 953-954
  - direction of aortic dissections around, *Dec.*, 931
  - management in proximal aortic dissection repair
    - acute, *Dec.*, 954, 955, 956
    - chronic, *Dec.*, 956-957
  - pseudoaneurysm, dorsal and inferior, *May*, 312

**Aortic dissection, Dec., 923-1011**

**acute**

clinical manifestations, *Dec.*,

932-935

distal, medical management,

*Dec.*, 943-945

distal, surgery, *Dec.*, 959-960,

962-963

proximal (see proximal, acute  
below)

aortography causing, *Nov.*, 838

**chronic**

clinical manifestations, *Dec.*,

935

distal (see distal, chronic be-  
low)

proximal (see proximal, chronic  
below)

classification of, DeBakey, *Dec.*,

925

definitions, *Dec.*, 924

diagnosis, *Dec.*, 935-940

direction around aortic arch,

*Dec.*, 931

distal, chronic, surgery, *Dec.*,

962-973

descending thoracic aorta re-

pair in, *Dec.*, 962, 964

elephant trunk procedure in,

second-stage, *Dec.*, 969, 973

thoracoabdominal aortic repair

in, *Dec.*, 963-969, 973

etiology, *Dec.*, 928-930

histology, *Dec.*, 928-930

historical note, *Dec.*, 923

incidence, *Dec.*, 926-927

management

initial, *Dec.*, 940-942

surgical (see surgery below)

pathogenesis, *Dec.*, 930-932

predisposing factors, *Dec.*, 927

proximal, acute, surgery, *Dec.*,

947-954

aortic arch anastomosis in,

proximal, *Dec.*, 953-954

aortic arch management in,

*Dec.*, 954-956

aortic valve management in,

*Dec.*, 947-953

Cabrol technique, *Dec.*, 952

steps in, *Dec.*, 948-949

Wheat technique, *Dec.*, 951

proximal, chronic, surgery, *Dec.*,

954-959

aortic arch repair in, *Dec.*,

956-957

aortic valve management in,

*Dec.*, 957-958

ascending aortic reconstruction

in, *Dec.*, 955-956

ascending aortic repair in, *Dec.*,

956-957

elephant trunk technique, *Dec.*,

958-961

rupture after, *Dec.*, 932

surgery, *Nov.*, 827-911; *Dec.*,

923-1011

(See also Aorta, surgery)

indications for, *Dec.*, 942-943

late follow-up and manage-

ment after, *Dec.*, 985-986

peripheral vascular procedures,

*Dec.*, 973

principles, *Dec.*, 945-947

survival after, early and late,

Kaplan-Meier curves of, *Dec.*,

983, 984

survival after, early and late,

statistical analysis of, *Dec.*,

977, 982-985

techniques, *Dec.*, 945-976

techniques, figures illustrating

examples of, *Dec.*, 970-972,

974-976, 978-981

untreated, prognosis, *Dec.*, 940

**Aortic valve management in proxi-**

**mal aortic dissection surgery**

acute, *Dec.*, 947-953

chronic, *Dec.*, 957-958

**Aortitis: syphilitic, and aortic dis-**

**section, Dec., 927**

**Aortocaval fistula, Nov., 837**

**Aortography**

in aortic arch aneurysm, *Nov.*,

835

in aortic dissection diagnosis,

*Dec.*, 937-940

in ductus diverticulum, *May*,

314

preoperative, *Nov.*, 833-838

- of pseudoaneurysm, aortic, *May*, 310, 311
  - arch, *May*, 312
  - medial proximal, *May*, 313
- Apoprotein B levels: and saphenous vein graft atherosclerosis, *Oct.*, 774
- Appendectomy, drainage after
  - passive, *Sept.*, 650
  - suction, *Sept.*, 652
- Appendiceal abscess: percutaneous catheter drainage of, *Sept.*, 696
- Appendicitis: perforated, transperitoneal drainage in, *Aug.*, 600
- Aprotinin: during coronary bypass, *Oct.*, 768-769
- Arfonad: in aortic dissection, *Dec.*, 941
- Argyle drain, *Sept.*, 669
- Arteria radicularis magna: origin of, *Nov.*, 868
- Arteriography
  - of axillary artery intimal injury, *May*, 338
  - of axillary artery thrombosis after blunt trauma, *May*, 339
  - of carotid artery intimal tear after blunt trauma, *May*, 296
  - of carotid artery pseudoaneurysm after blunt trauma, *May*, 297
  - of carotid artery thrombosis after blunt trauma, *May*, 298
  - of innominate artery pseudoaneurysm after blunt trauma, *May*, 324
  - of kidney fracture, upper pole, *May*, 332
  - in neck trauma, penetrating, *Jan.*, 26-27
  - of subclavian artery intimal injury and pseudoaneurysm after blunt trauma, *May*, 322
  - of subclavian artery occlusion after blunt trauma, *May*, 321
  - of tibial artery after blunt trauma anterior, *May*, 349
  - posterior, *May*, 348
  - of vertebral artery intimal dissection after chiropractic manipulation, *May*, 301
  - of vertebral artery occlusion after blunt trauma, *May*, 300, 302
- Artery(ies)
  - axillary (*see* Axillary artery)
  - carotid (*see* Carotid artery)
  - coronary (*see* Coronary, artery)
  - epigastric, inferior, as coronary bypass graft, *Oct.*, 783
  - femoral, blunt trauma to, *May*, 340-341
  - gastroepiploic, right, as coronary bypass graft, *Oct.*, 782-783
  - innominate (*see* Innominate artery)
  - mammary (*see* Mammary artery)
  - mesenteric (*see* Mesenteric artery)
  - popliteal, blunt trauma to, *May*, 341-346
    - restoration of arterial continuity after, *May*, 346
  - pressure, mean, alteration after distal aortic cross-clamping, *Nov.*, 871
    - (in primates), *Nov.*, 870
  - radial, as coronary bypass graft, *Oct.*, 783-784
  - radicular (*see* Radicular arteries)
  - renal, blunt trauma to, *May*, 329-331
    - occlusion due to, *May*, 333
  - spinal, anterior, size at level of arteria radicularis magna, *Nov.*, 865
  - splenic, as coronary bypass graft, *Oct.*, 784
  - subclavian (*see* Subclavian, artery)
  - tibial (*see* Tibial, artery)
  - vertebral (*see* Vertebral, artery)
- Ascites: pancreatic, drainage of, *Sept.*, 690-693
- Aspiration, needle, of abscesses, *Aug.*, 587-591
- peritonsillar
  - frequency of successful resolution by, *Aug.*, 588
  - three-point, *Aug.*, 589
- Aspirin: effect on saphenous vein graft patency, *Oct.*, 775

Atheroembolism: after coronary artery bypass, *Oct.*, 756  
 Atherosclerosis  
   aortic dissection and, *Dec.*, 929  
   coronary artery, native and grafted, *Oct.*, 773  
 Atresia: biliary, and choledochal cysts, *June*, 375  
 Atriofemoral bypass: during aortic surgery, *Nov.*, 886-887  
 Autotransfusion: during aortic surgery, *Nov.*, 887-890  
 Axillary artery trauma, blunt  
   intimal injury due to, *May*, 338  
   thrombosis due to, *May*, 339  
 Autoantibodies: in primary sclerosing cholangitis, *Mar.*, 161-162  
 Autoimmune  
   diseases and primary sclerosing cholangitis, *Mar.*, 162  
   hemolytic anemia and primary sclerosing cholangitis, *Mar.*, 162  
 Azidothymidine in HIV infection, *Apr.*, 220  
   historical background, *Apr.*, 209-210  
   after occupational exposure, *Apr.*, 251-253  
 AZT (see Azidothymidine)

## B

Bacterial  
   protection by abscesses, *Aug.*, 580-586  
   self-defense and synergy in abscesses, *Aug.*, 581-583  
 Balloon  
   dilatation for achalasia, follow-up results, *July*, 474  
   distention of esophagus for chest pain, *July*, 464  
   pump, intraaortic, after coronary bypass surgery, *Oct.*, 762  
 Barbiturates: during deep hypothermia with circulatory arrest, *Nov.*, 860-861

Barium  
   esophagram (see Esophagram, barium)  
   roentgenogram (see Roentgenography, contrast, barium)  
 Barrett's esophagus (see Esophagus, Barrett's)  
 Basement membrane defects: and aortic dissection, *Dec.*, 929  
 B cell(s)  
   in cholangitis, primary sclerosing, *Mar.*, 160-161  
   lymphoma in AIDS, *Apr.*, 219  
 Belsey fundoplication  
   suture placement in  
     first row, *July*, 518  
     second row, *July*, 519  
   technical aspects, *July*, 512-519  
 Beta-blockers  
   in aortic dissection, *Dec.*, 940-941  
     distal, *Dec.*, 943  
     postoperative, *Dec.*, 985-986  
   before aortic surgery, *Nov.*, 846  
 Bile  
   diversion procedures for gastroduodenal motor disorders, *July*, 541-544  
   duodenal switch procedure for (see Duodenum, switch procedure)  
   indications, *July*, 541-542  
   results, *July*, 543-544  
   technical considerations, *July*, 542-543  
 duct  
   carcinoma in primary sclerosing cholangitis, *Mar.*, 166-168  
   carcinoma in primary sclerosing cholangitis, incidence, *Mar.*, 167  
   common, drainage after liver trauma, *Sept.*, 677-678  
   common, drainage, T-tube, *Sept.*, 688-690  
   tumors, percutaneous laser cauterization of, *Sept.*, 590  
   fistula (see Drainage, of fistula, bile)



## Biliary

- atresia and choledochal cysts, *June*, 375
- cirrhosis, primary, cholangiogram, *Mar.*, 169
- drainage, percutaneous catheter (see Drainage, percutaneous catheter, radiographically guided, biliary)
- mucosal lining in choledochoceles, *June*, 377
- surgery
  - drainage after, decompressive, *Sept.*, 685-690
  - drainage before, percutaneous catheter, *Sept.*, 700
- Biochemical factors: in abscesses, *Aug.*, 580-581
- Biology: of surgical drains, *Aug.*, 567-623; *Sept.*, 643-717
- Bio-Medicus centrifugal pump, *May*, 320

## Biopsy

- in esophageal motility disorders, *July*, 458-459
- in gastroduodenal motor disorders, *July*, 530-531
- in gastroesophageal reflux, *July*, 501-503
- liver, of choledochal cysts, *June*, 375

- Bladder rupture: extraperitoneal, drainage for, *Sept.*, 684

## Bleeding

- (see also Hemorrhage)
- after cholecystectomy, drainage for, *Sept.*, 687-688
- complications after coronary bypass, *Oct.*, 768-769
- variceal, in primary sclerosing cholangitis, surgical management, *Mar.*, 186

- Block: glossopharyngeal nerve, for rigid esophagoscopy, *July*, 442

## Blood

- borne pathogens, operating room procedures to reduce risk of exposure of, *Apr.*, 246

- cardioplegia in coronary bypass surgery, *Oct.*, 759-760
- conservation during coronary bypass, *Oct.*, 768
- contacts during surgical procedures, *Apr.*, 240

## flow

- neurologic ischemia during aortic surgery and, *Nov.*, 852-853
- spinal cord, during distal aortic cross-clamping, anatomical influences on, *Nov.*, 866-869

- pH management during deep hypothermia with circulatory arrest, *Nov.*, 858-860

## supply

- spinal cord, during distal aortic cross-clamping, *Nov.*, 862-869
- sternal, and wound complications after coronary bypass, *Oct.*, 767

- transfusion (see Transfusion)

## Bone

- long-bone fracture due to blunt trauma, *May*, 294
- marrow transplant, primary sclerosing cholangitis after, *Mar.*, 163

- Bony injuries of extremities associated with arterial injuries

- lower, *May*, 347

- upper, *May*, 336

- Bovine internal mammary artery graft: in coronary bypass, *Oct.*, 784

## Bowel

- anastomosis, experimental studies of prophylactic drainage of, *Sept.*, 645-646
- disease, inflammatory (see Inflammatory bowel disease)
- function after ileal pouch-anal anastomosis, *Feb.*, 93-95
- small, obstruction after ileal pouch-anal anastomosis, *Feb.*, 91, 92

- Brain abscess (see Abscess, brain)

## Breast

- abscess, postmenopausal, excision of, *Aug.*, 599
- operations, cefonicid prophylaxis for, *Sept.*, 644

Breathing assessment: after penetrating neck trauma, *Jan.*, 23

Bronchodilators: for respiratory complications of acute distal aortic dissection, *Dec.*, 944

Bronchoscopy: fiberoptic, in penetrating neck trauma, *Jan.*, 33

Brooke ileostomy (*see* Ileostomy, Brooke)

## Bypass

atriofemoral, during aortic surgery, *Nov.*, 886-887

cardiopulmonary, during aortic surgery, *Nov.*, 881-886

coronary artery, *Oct.*, 743-807

- angioplasty vs. percutaneous transluminal, *Oct.*, 791-792
- bleeding complications after, *Oct.*, 768-769

- cannulation for, *Oct.*, 749
- cerebrovascular accident and, *Oct.*, 755, 762-765

- conduit selection in, *Oct.*, 784-785
- current status, *Oct.*, 796-798
- graft in, alternative choices, *Oct.*, 782-784

- graft in, gastroepiploic artery, right, *Oct.*, 782-783

- graft in, mammary artery (*see* Mammary artery coronary bypass graft, internal)
- graft in, patency of, *Oct.*, 769-786
- graft in, saphenous vein (*see* Saphenous vein coronary bypass graft)

- history, *Oct.*, 743-752
- introduction, *Oct.*, 743-752
- morbidity, *Oct.*, 753
- mortality, in-hospital, *Oct.*, 753-756

- mortality, late, risk factors for, *Oct.*, 690
- myocardial infarction during, *Oct.*, 755-762

- myocardial protection during, *Oct.*, 756-762

- number performed, *Oct.*, 748
- patient population, changing, *Oct.*, 746-748

- perioperative risk, *Oct.*, 753-769
- reoperation, *Oct.*, 792-797

- respiratory complications after, *Oct.*, 765-766
- results, late clinical, *Oct.*, 786-792

- studies of, randomized, study design, *Oct.*, 787

- surgical technique, *Oct.*, 748-752
- survival after, *Oct.*, 789-791
- symptoms after, *Oct.*, 788-789

- wound complications after, *Oct.*, 766-768

- gastric, drainage after, *Sept.*, 651

## C

Cabrol repair of aortic dissection, *Dec.*, 946

- steps in, *Dec.*, 952

## Calcium

- channel blockers in distal aortic dissection, *Dec.*, 943

- neurologic ischemia during aortic surgery and, *Nov.*, 853-854

## Cancer

- after ileal pouch-anal anastomosis, *Feb.*, 100

- in ulcerative colitis patients, and ileal pouch-anal anastomosis, *Feb.*, 74-76

Cannulation: for coronary bypass grafting, *Oct.*, 749

## Carcinoma

- bile duct, in primary sclerosing cholangitis, *Mar.*, 166-168

- incidence, *Mar.*, 167

- in choledochal cyst, *June*, 375, 377

Cardia reconstruction: after myotomy, *July*, 477

## Cardiac

- catheterization before aortic surgery, *Nov.*, 838-840

index alterations during aortic surgery, *Nov.*, 871

Cardioplegia  
 in aortic surgery, proximal, *Nov.*, 846-850  
 in coronary bypass surgery, *Oct.*, 758-761

Cardiopulmonary bypass: during aortic surgery, *Nov.*, 881-886

Cardiovascular alterations: after distal aortic cross-clamping, *Nov.*, 869-874

Care, postoperative (*see* Postoperative care)

Caroli's disease, *June*, 373  
 complications, postoperative, *June*, 404  
 operative technique, *June*, 400  
 results, postoperative, *June*, 404  
 surgical management, *June*, 396  
 ultrasound of intrahepatic cyst in, *June*, 404

Carotid artery  
 endarterectomy, and coronary bypass, *Oct.*, 763-765  
 external, transposition in internal artery injury repair, *Jan.*, 46  
 injuries, blunt, *May*, 295-299  
 intimal tear due to, *May*, 296  
 pseudoaneurysm due to, *May*, 297  
 thrombosis due to, *May*, 298  
 injuries, penetrating  
 internal, transposition of external carotid artery for repair of, *Jan.*, 46  
 ligation vs. repair, *Jan.*, 40  
 management, *Jan.*, 45-47  
 internal, distal, exposure after subluxation of mandible, *Jan.*, 16  
 stenosis combined with coronary artery disease, management and results, *Oct.*, 764

Carrel patch: in acute proximal aortic dissection repair, *Dec.*, 954-956

Cartilage infections: excision in, *Aug.*, 599

Catheter  
 dialysis, peritoneal, *Aug.*, 574  
 drainage, percutaneous (*see* Drainage, percutaneous catheter, radiographically guided)  
 embolization for penetrating vascular trauma to neck, *Jan.*, 49  
 Fogarty balloon, in management of penetrating vascular trauma to neck, *Jan.*, 48-49  
 intrathecal, during aortic surgery, *Nov.*, 876-878  
 intravenous, during aortic surgery, *Nov.*, 878  
 Judkins, for cardiac catheterization, *Nov.*, 838  
 Malecot, four-wing latex, *Aug.*, 570  
 -related complications of aortography, *Nov.*, 837-838

Catheterization: cardiac, before aortic surgery, *Nov.*, 838-840

Cauterization: percutaneous laser, of bile duct tumors, *Sept.*, 590

Cavernous sinus-carotid fistula: after blunt trauma, management, *May*, 298

Cavitation effect: of missiles, *Jan.*, 20

CD4 cell count: in HIV infection, *Apr.*, 217-218

Cefonicid prophylaxis: for herniorrhaphy and breast surgery, *Sept.*, 644

Celiac axis trauma: blunt, *May*, 331-333

Cells  
 B (*see* B cell)  
 CD4, count in HIV infection, *Apr.*, 217-218  
 damage and neurologic ischemic during aortic surgery, *Nov.*, 853-854  
 T, in primary sclerosing cholangitis, *Mar.*, 160-161

Central venous pressure: alterations during aortic surgery, *Nov.*, 871

Cephalosporins: in penetrating neck trauma, *Jan.*, 51

- Cerebrospinal fluid pressure: alterations during aortic surgery, *Nov.*, 871
- Cerebrovascular accident: and coronary artery bypass, *Oct.*, 755, 762-765
- Cervical  
(*See also Neck*)  
abscess, tuberculous, excision and chemotherapy of, *Aug.*, 592
- fascia  
deep, three components of, *Aug.*, 609  
planes, cross-section view, *Jan.*, 17
- osteomyelitis after penetrating neck trauma, *Jan.*, 51-52
- Cesarean section  
drainage after, *Sept.*, 650-651  
after ileal pouch-anal anastomosis, *Feb.*, 97
- Chemical sclerosis: after mastectomy, *Sept.*, 644
- Chemiluminescent response: of neutrophils to succinic acid, *Aug.*, 582, 583
- Chemotherapy  
of abscess, tuberculous cervical, *Aug.*, 592  
cholangitis after, primary sclerosing, *Mar.*, 163
- Chest (*see Thoracic*)
- Children  
immunodeficiency in, and primary sclerosing cholangitis, *Mar.*, 162  
osteoarthropathy in, hypertrophic, and primary sclerosing cholangitis, *Mar.*, 162
- Chiropractic manipulation causing vertebral artery injury, *May*, 293, 299
- arteriogram, *May*, 301  
Cholangiography  
in cholangitis, primary sclerosing, *Mar.*, 168-173, 182  
advanced, *Mar.*, 172-173  
localized intrahepatic, *Mar.*, 174-175  
of choledochal cyst, *June*, 386, 391, 392  
type I, *June*, 379  
type II, *June*, 381  
in cirrhosis, primary biliary, *Mar.*, 169  
in hepatic duct adenocarcinoma, *Mar.*, 170, 177
- Cholangiopancreatography: in choledochal cysts, *June*, 390
- Cholangioplasty: percutaneous, in primary sclerosing cholangitis, *Mar.*, 185
- Cholangitis  
acute, percutaneous catheter drainage in, *Sept.*, 700  
after biliary drainage, percutaneous catheter, *Sept.*, 701
- Cholangitis, primary sclerosing, *Mar.*, 143-193  
advanced, cholangiogram, *Mar.*, 172-173  
anastomoses in, *Mar.*, 182-183  
asymptomatic at diagnosis, *Mar.*, 158  
autoimmune diseases and, *Mar.*, 162  
bile duct carcinoma in, *Mar.*, 166-168  
incidence, *Mar.*, 167  
chemotherapy and, *Mar.*, 163  
cholangiography in, *Mar.*, 168-173, 182  
cholescintigraphy in, *Mar.*, 175-176  
clinical picture, *Mar.*, 144-145  
colectomy in (*see Colectomy*, in cholangitis, primary sclerosing)
- copper metabolism abnormalities in, treatment, *Mar.*, 177-178  
dilation in, percutaneous, *Mar.*, 184-186  
diseases associated with, *Mar.*, 161  
extrahepatic obstruction at diagnosis, survival, *Mar.*, 158-160  
features of, morphologic terms and definitions for, *Mar.*, 146

- hepatitis and, chronic, staging criteria for, *Mar.*, 151
- histologic changes, *Mar.*, 145-150
- HLA antigens and, *Mar.*, 159-160
- immunity and, *Mar.*, 159-163
- immunomechanisms, *Mar.*, 160-162
- immunosuppression in, *Mar.*, 179
- infections and, unusual, *Mar.*, 162
- inflammatory bowel disease and (see Inflammatory bowel disease and primary sclerosing cholangitis)
- Lahey Clinic series, *Mar.*, 156-159
- mortality in, *Mar.*, 157
- survival—total group, *Mar.*, 156-158
- liver histopathologic changes in, spectrum of, *Mar.*, 147
- liver transplantation in, *Mar.*, 186-188
- localized intrapancreatic, cholangiogram, *Mar.*, 174-175
- macroscopic changes, *Mar.*, 150-151
- management
- medical, *Mar.*, 176-181
  - surgical, *Mar.*, 181-188
- outcome vs. survival, *Mar.*, 152
- pathology, *Mar.*, 145-151
- penicillamine in, *Mar.*, 179, 180
- prognostic clinical variables entered into stepwise Cox regression procedure for, *Mar.*, 155
- radiologic diagnosis, *Mar.*, 168-176
- differential, *Mar.*, 176
- resections for, *Mar.*, 181-183
- combined with long-term stenting, *Mar.*, 183-184
- review of recent series, *Mar.*, 151-156
- summary, *Mar.*, 188
- survival
- curves, Kaplan-Meier estimated, *Mar.*, 153
  - by histologic stage, Kaplan-Meier estimated, *Mar.*, 154
  - vs. outcome, *Mar.*, 152
- tomography in, computed, *Mar.*, 173-175
- in ulcerative colitis, and ileal pouch-anal anastomosis, *Feb.*, 76-77
- variceal bleeding in, surgical management, *Mar.*, 186
- Cholecystectomy**
- bile fistula after, drainage of, *Sept.*, 686-687
  - bleeding after, drainage for, *Sept.*, 678-688
  - drainage after, *Sept.*, 685-690
  - incidence of complications and length of hospital stay after, *Sept.*, 686
  - subhepatic abscess after, drainage of, *Sept.*, 686-687
- Cholecystitis: acute, drainage for, *Sept.*, 687-688**
- Choledochal cyst, *June*, 371-410**
- anatomic classification, *June*, 371-374
  - antenatal studies, *June*, 382-383
  - cholangiogram, *June*, 386, 391, 392
  - clinical presentation, *June*, 383-384
  - complications, postoperative, *June*, 402-404
  - diagnosis, *June*, 385-392
  - duodenostomy, *June*, 394
  - 7 years postoperative, *June*, 387
  - enterostomy, *June*, 392-394
  - etiology, *June*, 377-382
  - excision, *June*, 394-395
  - Roux-en-Y hepaticojejunostomy after, *June*, 394
  - forms, *June*, 372
  - histologic section, *June*, 376
  - historical background, *June*, 371
  - imaging, *June*, 385-392
  - laboratory studies, *June*, 385
  - operative technique, *June*, 396-402
  - pathology, *June*, 374-377
  - radiography, *June*, 385-392
  - resection, intramural, Lilly's method, *June*, 398, 399

- Choledochal cyst (cont.)**  
 results, postoperative, *June*, 402-404  
 Roux-en-Y procedures for, *June*, 394  
 scintigraphy, DISIDA, *June*, 388  
 summary, *June*, 405  
 surgical management, *June*, 392-396  
 type I, cholangiogram, *June*, 379  
 type II, cholangiogram, *June*, 381  
 ultrasound of, *June*, 387-390  
 prenatal, *June*, 382
- Choledochoceles, *June*, 372-373**  
 biliary mucosal lining in, *June*, 377  
 complications, postoperative, *June*, 403-404  
 forms, *June*, 374  
 operative technique, *June*, 400, 401  
 results, postoperative, *June*, 403-404  
 surgical management, *June*, 395-396
- Cholescintigraphy**  
 in cholangitis, primary sclerosing, *Mar.*, 175-176  
 in duodenogastric reflux, *July*, 535, 537  
 in gastroduodenal motor disorders, *July*, 533-534
- Chyme transit: after ileal pouch-anal anastomosis, *Feb.*, 117**
- Circulatory**  
 arrest, deep hypothermia with, in proximal aortic surgery, *Nov.*, 858-861  
 status after penetrating neck trauma, *Jan.*, 23
- Cirrhosis: primary biliary, cholangiogram of, *Mar.*, 169**
- Clamps: Allis, in ileal pouch-anal anastomosis, *Feb.*, 88**
- Coagulation management: during aortic surgery, *Nov.*, 887-890**
- Cocaine-induced aortic dissection, *Dec.*, 927**
- COL3A1: and aortic dissection, *Dec.*, 927**
- Colchicine: in primary sclerosing cholangitis, *Mar.*, 179-180**
- Cold fibrillatory arrest: in coronary bypass surgery, *Oct.*, 757-758**
- Colecotomy**  
 abdominal, and ileorectal anastomosis, *Feb.*, 119-120  
 applications, *Feb.*, 120  
 benefits, *Feb.*, 119  
 risks, *Feb.*, 119  
 in cholangitis, primary sclerosing, *Mar.*, 164-165  
 survival, *Mar.*, 166  
 timing, *Mar.*, 167
- Colestipol-niacin therapy: and saphenous vein graft patency, *Oct.*, 776**
- Colitis**  
 indeterminate, ileal pouch-anal anastomosis for, *Feb.*, 77-78  
 ulcerative, chronic  
 cholangitis and, primary sclerosing, *Mar.*, 164  
 ileal pouch-anal anastomosis for, *Feb.*, 74-76  
 ileal pouch-anal anastomosis for, results, *Feb.*, 103-105
- Collagen type IV defects: and aortic dissection, *Dec.*, 929**
- Collis gastroplasty: construction of, *July*, 520**
- Colon**  
 disease patterns in primary sclerosing cholangitis and inflammatory bowel disease, *Mar.*, 164  
 interposition for esophageal replacement for motility disorders, *July*, 479  
 results, *July*, 480-482  
 swallowing ability and patient satisfaction after, *July*, 481  
 surgery, passive drainage after, *Sept.*, 650  
 suture lines, drainage of, *Sept.*, 653-656
- Colostomy closure: antibiotics vs. drainage after, *Sept.*, 649**
- Coma: and repair of carotid artery injuries, *Jan.*, 40-41**

- Compartment syndrome: after aortography, *Nov.*, 838
- Complement  
deficiency in abscesses, *Aug.*, 583  
pathways, classical and properidin, *Aug.*, 584
- Conduit selection: in coronary artery bypass, *Oct.*, 784-785
- Consent: informed, for HIV testing, *Apr.*, 230
- Continence: fecal, after ileal pouch-anal anastomosis, *Feb.*, 94
- Continent ileostomy (*see* Ileostomy, continent)
- Contrast  
media  
complications in aortography, *Nov.*, 837  
in CT of aorta, *Nov.*, 830  
retention on esophagram of cricopharyngeal achalasia, *July*, 437  
roentgenography (*see* Roentgenography, contrast)
- Copper metabolism abnormalities: in primary sclerosing cholangitis, treatment, *Mar.*, 177-178
- Coronary  
angioplasty (*see* Angioplasty, percutaneous transluminal coronary)  
artery  
atherosclerosis, native and grafted, *Oct.*, 773  
bypass (*see* Bypass, coronary artery)  
disease combined with carotid stenosis, management and results, *Oct.*, 764  
endarterectomy, *Oct.*, 785-786  
revascularization strategies, *Oct.*, 769-786
- Corticosteroid(s)  
in aortic surgery during neurologic reperfusion, *Nov.*, 857  
in cholangitis, primary sclerosing, *Mar.*, 179  
colchicine in primary sclerosing cholangitis, *Mar.*, 180  
lavage in primary sclerosing cholangitis, *Mar.*, 180  
long-term use and ileal pouch-anal anastomosis, *Feb.*, 79
- Cost  
calculation of penetrating neck trauma, *Jan.*, 34  
-effectiveness of HIV testing, *Apr.*, 232-233  
of HIV testing, *Apr.*, 229-230  
in health care workers, *Apr.*, 263-264  
of neck trauma management, penetrating, *Jan.*, 34  
of viral culture for HIV, *Apr.*, 235
- Crawford classification: of thoraco-abdominal aortic aneurysms, *Dec.*, 926
- Cricomyotomy for pharyngoesophageal swallowing disorders, *July*, 442-446  
completed, *July*, 445  
esophagus exposure for, cervical, *July*, 444  
hypopharynx exposure for, *July*, 444  
indications, *July*, 442-443  
motility findings after, *July*, 446  
muscles in, views of, *July*, 444  
neck incision and exposure for, *July*, 443  
results, *July*, 446  
technical considerations, *July*, 443-445
- Cricopharyngeal  
achalasia, esophagram showing retention of contrast medium, *July*, 437  
indentation during swallowing, barium contrast roentgenogram of, *July*, 436  
muscle in cricomyotomy, *July*, 444  
myotomy (*see* Cricomyotomy)  
sphincter  
contraction, premature, during pharyngeal contraction, manometry of, *July*, 440  
relaxation, absence during pharyngeal contraction, manometry of, *July*, 439

Cricothyroidotomy: and esophageal fistula, *Jan.*, 44-45

Crohn's disease  
 cholangitis and, primary sclerosing, *Mar.*, 164  
 ileal pouch-anal anastomosis and, *Feb.*, 77-78

Cross-clamping (*see* Aorta, cross-clamping)

Crush syndrome: and neurologic reperfusion in aortic surgery, *Nov.*, 857

Cryopreserved vein grafts: in coronary bypass, *Oct.*, 784

*Cryptococcus*: and primary sclerosing cholangitis, in children, *Mar.*, 162

Cryptosporidiosis: and primary sclerosing cholangitis, in children, *Mar.*, 162

Crystalloid solution: oxygenated, in coronary bypass surgery, *Oct.*, 759

CT (*see* Tomography, computed)

Culture: viral, for HIV, *Apr.*, 234-235

Curettage and closure: for soft tissue abscesses, *Aug.*, 595-597

Cyclosporine: in primary sclerosing cholangitis, *Mar.*, 179

Cyst  
 choledochal (*see* Choledochal cyst)  
 hepatic, anatomic classification, *June*, 373  
 intrahepatic, in Caroli's disease, ultrasound, *June*, 404

## D

Dacron graft: in innominate artery trauma repair, *May*, 325

ddC: in HIV infection, *Apr.*, 220

ddl: in HIV infection, *Apr.*, 220

Death (*see* Mortality)

DeBaey classification: of aortic dissection, *Dec.*, 925

Decompressive drainage (*see* Drainage, decompressive)

Deferoxamine: in aortic surgery, *Nov.*, 856

Delivery: after ileal pouch-anal anastomosis, *Feb.*, 96-98

Dementia complex: AIDS, *Apr.*, 212, 219

Demographics: AIDS, *Apr.*, 224

Dental procedure: invasive, HIV transmission during, *Apr.*, 210, 253-255

Depolarization: and neurologic ischemia during aortic surgery, *Nov.*, 854

Depression: and HIV, *Apr.*, 230

Desmopressin: during coronary bypass, *Oct.*, 768

Diabetes mellitus  
 abscesses and, *Aug.*, 583  
 wound complications after coronary bypass and, *Oct.*, 766-767

Dialysis catheter: peritoneal, *Aug.*, 574

Dideoxyinosine: in HIV infection, *Apr.*, 220

Dilantin: during deep hypothermia with circulatory arrest, *Nov.*, 860

Dilation: percutaneous, in primary sclerosing cholangitis, *Mar.*, 184-186

Dipyridamole: effect on saphenous vein graft patency, *Oct.*, 775

DISIDA scintigraphy (*see* Technetium-99m-DISIDA scintigraphy)

Disinfectants: and HIV in health care workers, *Apr.*, 243

Dislocation: knee, popliteal artery occlusion after, *May*, 341

Dissection of aorta (*see* Aortic dissection)

Ditiocarb sodium: in HIV infection, *Apr.*, 220

Diverticulitis: drainage in, *Aug.*, 601

Diverticulum  
 abscess, percutaneous catheter drainage of, *Sept.*, 696  
 midesophageal, in diffuse esophageal spasm, *July*, 456  
 Zenker's (*see* Zenker's diverticulum)



## DNA

- analysis, HIV, *Apr.*, 255
- neurologic ischemia during aortic surgery and, *Nov.*, 855

## Doppler ultrasound: before aortic surgery, *Nov.*, 840-841

## Drain(s), *Aug.*, 567-623; *Sept.*, 643-717

- biology and practice of, *Aug.*, 567-623; *Sept.*, 643-717

- complications, *Aug.*, 576-577
- conclusions, *Sept.*, 702-703

- general considerations, *Aug.*, 569-577

## Jackson-Pratt, *Aug.*, 571

- contrast sinogram obtained via, *Aug.*, 573

## passive, *Aug.*, 569-570

- types of, *Aug.*, 570

## pelvic, *Sept.*, 658-664

## Penrose, *aug.*, 570

## polyvinylchloride

- corrugated multitubular, *Aug.*, 570

- Hemovac, with collapsible drum reservoir, *Aug.*, 571

## pressure gradients and, *Aug.*, 574-576

- intra-abdominal, *Aug.*, 574-576

- intrathoracic, *Aug.*, 576

## Ragnall soft rubber tube, *Aug.*, 570

## suction, *aug.*, 570-571

- in infections of prosthetic devices, *Aug.*, 593

- types of, *Aug.*, 571

## sump

- Andersen-Shirley, *Sept.*, 669

- Argyle, *Sept.*, 669

- functional aspects, *Aug.*, 572

- types, *Sept.*, 669

- Waterman, *Sept.*, 669

## tracts, *Aug.*, 572-574

## types of, *Aug.*, 569-572

## Drainage

### of abscess

- incisional, *Aug.*, 591-595

- intra-abdominal, *Aug.*, 602-608

- pancreatic, *Aug.*, 605-608

## percutaneous (*see* Drainage, percutaneous catheter, radiographically guided, of abscesses)

## subhepatic, after cholecystectomy, *Sept.*, 686-687

## of bile duct, common

- after liver trauma, *Sept.*, 677-678

- T-Tube, *Sept.*, 688-690

## for bleeding after cholecystectomy, *Sept.*, 687-688

## after cholecystectomy, *Sept.*, 685-690

## for cholecystitis, acute, *Sept.*, 687-688

## decompressive, *Sept.*, 665-693

- after biliary surgery, *Sept.*, 685-690

- discussion of term, *Aug.*, 568

- of pancreatic ascites, *Sept.*, 690-693

- of pancreatic fistula, *Sept.*, 691-693

- of pancreatic pseudocysts, *Sept.*, 693

- of pancreatitis, acute, *Sept.*, 690-691

- in trauma management, *Sept.*, 665-685

## of duodenal injuries, *Sept.*, 666, 671-673

## excisional, of abscesses, *Aug.*, 591-592

## of fistula

- bile, after cholecystectomy, *Sept.*, 686-687

- bile, after liver trauma, *Sept.*, 677

- duodenal, traumatic lateral, *Sept.*, 673

- pancreatic, *Sept.*, 691-693

- pancreatic, traumatic, *Sept.*, 669-671

## after hysterectomy, *Sept.*, 662-664

- vs. antibiotics, *Sept.*, 663

## of intra-abdominal infections, *Aug.*, 599-608

## of liver injuries, *Sept.*, 673-678

Drainage (*cont.*)

- of mediastinal infections, *Aug.*, 608–610
- needle (*see* Aspiration, needle)
- of pancreatic injuries, *Sept.*, 666–671
  - adequacy of, complications related to, *Sept.*, 670
- of pancreatic necrosis, infected, *Aug.*, 605–608
- percutaneous catheter, radiographically guided, *Sept.*, 693–703
- percutaneous catheter, radiographically guided, of abscesses, *Sept.*, 694–699
  - complications, *Sept.*, 696–697
- intraabdominal, *Sept.*, 695–696
- liver, *Sept.*, 697–698
- pancreatic, *Sept.*, 697
- renal, *Sept.*, 699
- splenic, *Sept.*, 698–699
- visceral, *Sept.*, 697–699
- percutaneous catheter, radiographically guided, biliary, *Sept.*, 699–701
  - in cholangitis, acute, *Sept.*, 700
- complications, *Sept.*, 701
- palliative, *Sept.*, 701
- preoperative, *Sept.*, 700
- percutaneous catheter, radiographically guided, other procedures, *Sept.*, 701–702
- percutaneous catheter, radiographically guided, of pancreatic pseudocyst, infected, *Sept.*, 697
- peritoneal, in appendicitis, *Aug.*, 600
- prophylactic, *Sept.*, 643–665
  - discussion of term, *Aug.*, 568
  - studies of, clinical, *Sept.*, 646–664
  - studies of, experimental, *Sept.*, 645–646
  - studies of, summary, *Sept.*, 664–665
- after rectal excision, *Sept.*, 658–661
- after rectal trauma, *Sept.*, 682–683

- of soft tissue wounds, clean, *Sept.*, 646–648
  - passive, *Sept.*, 646–647
  - suction, *Sept.*, 647–648
- of soft tissue wounds, clean-contaminated, contaminated, and dirty, *Sept.*, 648–653
  - passive, *Sept.*, 649–650
  - suction, *Sept.*, 650–653
- after splenectomy for trauma, *Sept.*, 678–682
- of sternal wound infections, *Aug.*, 608–610
- of subdural hematoma, *Sept.*, 684–685
- of suture lines
  - colon, *Sept.*, 653–656
  - duodenal, *Sept.*, 656–657
  - enteric, *Sept.*, 653–658
  - esophageal, *Sept.*, 657–658
- system, closed suction-irrigation, functional aspects of, *Aug.*, 594
- tenets recognized by end of 19th century, *Aug.*, 568
- therapeutic, *Aug.*, 578–610
  - discussion of term, *Aug.*, 568
- of thoracic infections, *Aug.*, 608–610
- of thoracic injuries, *Sept.*, 683
- of urinary tract injuries, *Sept.*, 683–684
- Drug abusers: parenteral, total cases of AIDS in, *Apr.*, 225
- Ductus diverticulum: aortogram of, *May*, 314
- Duodenogastric reflux (*see* Reflux, duodenogastric)
- Duodenostomy, choledochal cyst, *June*, 394
- 7 years postoperative, *June*, 387
- Duodenum
  - (*See also* Gastroduodenal)
  - fistula, traumatic lateral, drainage of, *Sept.*, 673
- injuries
  - drainage of, *Sept.*, 666, 671–673
  - repair, complications in, *Sept.*, 672
- suture lines, drainage of, *Sept.*, 656–657

- switch procedure in gastroduodenal motor disorders
  - gastric pH after, fasting, *July*, 544
  - illustration, *July*, 543
- ulcer, ambulatory 24-hour gastric pH in, *July*, 538
- Dysgammaglobulinemia: and primary sclerosing cholangitis, *Mar.*, 162
- Dysphagia
  - (See also Esophagus, body/lower sphincter motility disorders)
  - as indication for antireflux procedure, *July*, 508
  - nonobstructive, peristaltic contractions in, *July*, 451

## E

- Echocardiography
  - before aortic surgery, *Nov.*, 840-841
  - transesophageal, in aortic dissection diagnosis, *Dec.*, 939
- Edema: pulmonary, after coronary bypass, *Oct.*, 765
- Edrophonium test: for noncardiac chest pain, *July*, 462-464
- EEG monitoring: during deep hypothermia with circulatory arrest, *Nov.*, 858-861
- Effusions: traumatic joint, percutaneous catheter drainage of, *Sept.*, 701-702
- Elderly
  - coronary artery bypass in, *Oct.*, 747
  - mortality of, *Oct.*, 754-756
  - respiratory complications and, *Oct.*, 765
  - ileal pouch-anal anastomosis in, *Feb.*, 79
- Electrocardiography: Holter, before aortic surgery, *Nov.*, 841
- Electroencephalographic monitoring: during deep hypothermia with circulatory arrest, *Nov.*, 858-861
- Electromyography: in gastroduodenal motor disorders, *July*, 532-533
- Elephant trunk technique in aortic dissection repair
  - distal, chronic, *Dec.*, 969, 973
  - proximal, chronic, *Dec.*, 958-961
- ELISA: for HIV, *Apr.*, 229-230
- Embolization
  - missile, after neck trauma, *Jan.*, 20-21
  - transcatheter, for penetrating vascular trauma to neck, *Jan.*, 49
- Empyema, thoracic
  - excision of, *Aug.*, 597-599
  - thoracentesis in, *Aug.*, 590
- Enalapril: in distal aortic dissection, *Dec.*, 943
- Endarterectomy
  - carotid, and coronary bypass, *Oct.*, 763-765
  - coronary artery, *Oct.*, 785-786
- Endoscopy
  - in duodenogastric reflux, *July*, 531
  - in esophageal motility disorders, *July*, 458-459
  - in gastroduodenal motor disorders, *July*, 530-531
  - in gastroesophageal reflux, *July*, 501-503
  - in neck trauma, penetrating, *Jan.*, 26
  - in swallowing disorders, pharyngoesophageal, *July*, 439-440, 442
  - ultrasound via, in esophageal motility disorders, *July*, 458-459
- Enteric
  - content after ileal pouch-anal anastomosis, *Feb.*, 117
  - fistula, abscess-associated, percutaneous catheter drainage of, *Sept.*, 695-696
  - motility, proximal, after ileal pouch-anal anastomosis, *Feb.*, 116
  - suture lines, drainage of, *Sept.*, 653-658

- Enterostomy: choledochal cyst,  
*June*, 392-394
- Enterotomy: posterior, in ileal  
pouch-anal anastomosis,  
*Feb.*, 85
- Enzyme(s)  
-linked immunosorbent assay for  
HIV, *Apr.*, 229-230  
pancreatic, in choledochal cysts,  
*June*, 378
- Epigastric artery: inferior, as coro-  
nary bypass graft, *Oct.*, 783
- Esmolol: in aortic dissection, *Dec.*, 941
- Esophagectomy and replacement  
for esophageal motility disor-  
ders, *July*, 478-482  
colon interposition in (see Colon,  
interposition for esophageal  
replacement for motility dis-  
orders)  
indications, *July*, 478-479  
results, *July*, 480-482  
technical considerations, *July*,  
479-480
- Esophagitis  
endoscopic, as indication for an-  
tireflux procedure, *July*, 507  
endoscopy in, *July*, 502
- Esophagram  
barium  
in achalasia, showing dilated  
esophagus and "bird's beak,"  
*July*, 457  
of diverticulum, midesopha-  
geal, in diffuse esophageal  
spasm, *July*, 456  
in esophageal spasm, diffuse,  
*July*, 455, 456  
of cricopharyngeal achalasia  
showing retention of contrast  
medium, *July*, 437  
of Zenker's diverticulum, *July*, 435
- Esophagoscopy: rigid, glossopha-  
ryngeal nerve block for, *July*,  
442
- Esophagus  
balloon distention, for chest pain,  
*July*, 464  
Barrett's  
endoscopy in, *July*, 502  
as indication for antireflux proce-  
dure, *July*, 507-508  
body  
/lower sphincter motility disor-  
ders (see below)  
manometry in gastroesopha-  
geal reflux, *July*, 500-501  
body/lower sphincter motility dis-  
orders, *July*, 447-482  
biopsy in, *July*, 458-459  
chest pain due to, mechanism  
of, *July*, 453  
classification, *July*, 449  
classification, based on stan-  
dard or ambulatory manom-  
etry, *July*, 450  
diagnostic approach, flow  
chart, *July*, 454  
diagnostic tests, *July*, 453-467  
diagnostic tests, provocative,  
*July*, 462-464  
endoscopy in, *July*, 458-459  
esophagectomy and replace-  
ment for (see Esophagectomy  
and replacement)  
manometry in, esophageal, am-  
bulatory, 24-hour, in esopha-  
geal motility disorders (see  
Manometry, esophageal, am-  
bulatory, 24-hour, in esopha-  
geal motility disorders)  
manometry in, esophageal,  
standard (see Manometry,  
esophageal, standard, in  
esophageal motility disor-  
ders)  
myotomy for, long esophageal  
(see Myotomy, esophageal,  
long, for esophageal motility  
disorders)  
myotomy of lower esophageal  
sphincter for (see Myotomy,  
of esophageal sphincter,  
lower, for esophageal motility  
disorders)  
pathophysiologic aspects, *July*,  
447-453  
physiologic aspects, *July*,  
447-453  
radiography in, *July*, 453-458

- scintigraphy in, esophageal transit, *July*, 466-467
- surgical therapy, *July*, 467-482
- ultrasonography in, endoscopic, *July*, 458-459
- cervical, exposure for cricomyotomy, *July*, 444
- clearance in gastroesophageal reflux, *July*, 486-488
- contractions
  - in gastroesophageal reflux, *July*, 487
  - high amplitude, and chest pain, *July*, 452
  - after myotomy, long esophageal, for motility disorders, *July*, 472-473
- diverticulum in diffuse esophageal spasm, *July*, 456
- fistula after repair of esophageal injuries, *Jan.*, 44-45
- gastroesophageal (*see* Gastroesophageal)
- injuries, penetrating, management, *Jan.*, 43-45
- manometry (*see* Manometry, esophageal)
- motility disorders (*see* Esophagus, body/lower sphincter motility disorders)
- muscles in cricomyotomy, *July*, 444
- myotomy, long (*see* Myotomy, esophageal, long)
- nutcracker, ambulatory motility record in, *July*, 466
- perforation, decompression via nasogastric tube, *Aug.*, 610
- pH (*see* pH, esophageal)
- pharyngoesophageal swallowing disorders (*see* Swallowing, disorders, pharyngoesophageal)
- pressures, intraluminal, in response to swallowing, *July*, 432
- replacement (*see* Esophagectomy and replacement)
- spasm, diffuse
  - barium esophagram, *July*, 455, 456
- diverticulum in, midesophageal, *July*, 456
- myotomy in, long esophageal, manometry after, *July*, 471
- sphincter, lower
  - hypertensive, *July*, 449
  - manometry of (*see* Manometry, of esophageal sphincter, lower)
  - mechanically defective, in gastroesophageal reflux, *July*, 483-486
- motility disorders (*see* Esophagus, body/lower sphincter motility disorders)
- pressure profile, three-dimensional, after Nissen fundoplication, *July*, 525
- relaxation during swallowing, manometry of, *July*, 441
- three-dimensional pressure imaging of, *July*, 498-500
- suture lines, drainage of, *Sept.*, 657-658
- transit scintigraphy, *July*, 466-467
- Etomidate: during deep hypothermia with circulatory arrest, *Nov.*, 860
- Evoked potentials, spinal motor, during aortic surgery, *Nov.*, 876, 877
- Excision
  - of abscess, *Aug.*, 595
  - brain, *Aug.*, 597
  - lung, *Aug.*, 597-599
  - of choledochal cyst, *June*, 394-395
  - of empyema, thoracic, *Aug.*, 597-599
  - rectum, drainage after, *Sept.*, 658-661
- Excisional drainage: of abscesses, *Aug.*, 591-592
- Exercise: yoga, causing vertebral artery injury, *May*, 299
- Extremities
  - trauma to (*see* Extremities, blunt vascular trauma to *below*)
  - upper, veins, as coronary artery bypass grafts, *Oct.*, 784

Extremities, blunt vascular trauma  
 to, *May*, 335-351  
 conclusions, *May*, 350-351  
 lower, *May*, 339-350  
   association with orthopedic  
   injury, *May*, 347  
   distribution, *May*, 342  
   mechanisms of injury, *May*,  
   295  
 upper, *May*, 335-339  
   association with bony injuries,  
   *May*, 336  
   clinical signs, *May*, 335  
   distribution, *May*, 337  
   mechanisms of injury, *May*,  
   294-295

## F

Fascia, cervical (*see* Cervical, fascia)  
 Fasciotomy: leg, double-incision  
   technique, *May*, 343-345  
 Fat pad: gastroesophageal, removal  
   in esophageal myotomy, *July*,  
   476  
 Fatty acids: free, and neurologic  
   ischemia during aortic sur-  
   gery, *Nov.*, 854-855  
 Fecal  
   continence after ileal pouch-anal  
   anastomosis, *Feb.*, 94  
   incontinence (*see* Incontinence,  
   fecal)  
 Females: choledochal cysts in, *June*,  
   381  
 Femoral artery trauma: blunt, *May*,  
   340-341  
 Fiberoptic  
   bronchoscopy in penetrating  
   neck trauma, *Jan.*, 33  
   intubation after penetrating neck  
   trauma, *Jan.*, 36-37  
 Fibrillatory arrest: cold, in coronary  
   bypass surgery, *Oct.*, 757-758  
 Fibrin in abscesses, *Aug.*, 585-586  
   effect of antibiotics on, *Aug.*, 586  
 Fibrosis  
   hepatic, and choledochal cysts,  
   *June*, 375

retroperitoneal, and primary scler-  
 osing cholangitis, *Mar.*, 162  
 Fibular fracture: tibial artery occlu-  
   sion after, *May*, 348  
 Fistula  
   aortocaval, *Nov.*, 837  
   bile (*see* Drainage, of fistula, bile)  
   carotid-cavernous sinus, due to  
   blunt trauma, management,  
   *May*, 298  
   duodenal, traumatic lateral,  
   drainage for, *Sept.*, 673  
   enteric, abscess-associated, per-  
   cutaneous catheter drainage  
   of, *Sept.*, 695-696  
   esophageal, after repair of esoph-  
   ageal injuries, *Jan.*, 44-45  
   after ileal pouch-anal anastomo-  
   sis, *Feb.*, 99  
   pancreatic  
     drainage of, decompressive,  
     *Sept.*, 691-693  
     drainage of, therapeutic, *Aug.*,  
     607-608  
     management, *Sept.*, 692  
     traumatic, drainage of, *Sept.*,  
     669-671  
 Floxuridine: primary sclerosing  
   cholangitis after, *Mar.*, 163  
 Fluid administration: during aortic  
   surgery, *Nov.*, 878-881  
 Fogarty balloon catheter: in man-  
   agement of penetrating vas-  
   cular trauma to neck, *Jan.*,  
   48-49  
 Foregut  
   disorders, functional  
     diagnosis and treatment, *July*,  
     425-427  
   physiologic monitoring in, out-  
   patient, *July*, 427-429  
   motility disorders, outpatient  
     physiologic testing and surgi-  
     cal management, *July*,  
     425-555  
   pressure profile during swallow-  
   ing, *July*, 431  
 Fracture  
   fibular, tibial artery occlusion af-  
   ter, *May*, 348

humerus, and axillary artery injury, *May*, 335-336  
 kidney, upper pole, *May*, 331, 332  
 larynx, and intubation after penetrating neck trauma, *Jan.*, 22  
 long-bone, blunt trauma-induced, *May*, 294  
 tibial, tibial artery occlusion after anterior, *May*, 349  
 posterior, *May*, 349  
**Fundoplication**  
   Belsey (see Belsey fundoplication)  
   Nissen (see Nissen fundoplication)  
**Fungal abscesses:** of brain or lung, management of, *Aug.*, 592

## G

**Gamma counter:** portable, for gastric emptying measurement, *July*, 533  
**Gastric**  
 (See also Stomach)  
 acid analysis in gastroduodenal motor disorders, *July*, 539  
 bypass, drainage after, *Sept.*, 651  
 emptying  
   delayed, and postprandial alkalization of gastric pH, *July*, 540  
   disorders, surgical procedures for, *July*, 540-541  
   disorders, surgical procedures for, indications, *July*, 540  
   disorders, surgical procedures for, results, *July*, 541  
   disorders, surgical procedures for, technical considerations, *July*, 540-541  
   of liquid and solid meal, *July*, 534  
   of liquid and solid meal, correlation with ambulatory 24-hour gastric pH, *July*, 538  
   studies in gastroduodenal motor disorders, *July*, 533  
 function, abnormal, in gastroesophageal reflux, *July*, 488, 490

hypersecretion in gastroesophageal reflux, *July*, 490  
 pacesetter potential, triphasic, *July*, 527  
 pH (see pH, gastric)  
 vessels, short, division in Nissen fundoplication, *July*, 513  
**Gastritis:** peristomal, *July*, 528  
**Gastroduodenal**  
 manometry in gastroduodenal motor disorders, *July*, 531-532  
 motor disorders, *July*, 524-544  
   bile diversion procedures for (see Bile, diversion procedures, for gastroduodenal motor disorders)  
   biopsy in, *July*, 530-531  
   cholescintigraphy in, *July*, 533-534  
   diagnostic approach, flow chart, *July*, 530  
   diagnostic tests, *July*, 529-540  
   electromyography in, *July*, 532-533  
   endoscopy in, *July*, 530-531  
   gastric acid analysis in, *July*, 539  
   gastric emptying studies in, *July*, 533  
   gastric pH in, ambulatory 24-hour, *July*, 535-539  
   manometry in, gastroduodenal, *July*, 531-532  
   pathophysiologic aspects, *July*, 525-529  
   physiologic aspects, *July*, 525-529  
   roentgenography in, *July*, 530  
   surgical therapy, *July*, 540-544  
**Gastroepiploic artery:** right, as coronary bypass graft, *Oct.*, 782-783  
**Gastroesophageal**  
 fat pad removal of esophageal myotomy, *July*, 476  
 reflux (see Reflux, gastroesophageal)  
**Gastrointestinal tract compartments:** schematic drawing, *July*, 428

Gastroplasty for esophageal reflux  
 Collis, *July*, 520  
 technical aspects, *July*, 512-519  
 Gay men: total AIDS cases in, *Apr.*,  
 225  
 Gelatine-resorcine-formol glue: in  
 aortic dissection repair, *Dec.*,  
 946-947  
 Gelpi retractors: in ileal pouch-anal  
 anastomosis, *Feb.*, 86  
 Gene: for type III procollagen, and  
 aortic dissection, *Dec.*,  
 927  
 GIA stapler: in ileal pouch-anal  
 anastomosis, *Feb.*, 84  
 Glandular injuries: penetrating cer-  
 vical, management, *Jan.*,  
 50-51  
 Glossopharyngeal nerve block: for  
 rigid esophagoscopy, *July*,  
 442  
 Gloves: and HIV, *Apr.*, 247  
 Glue  
   for colonic anastomosis, *Sept.*,  
   655  
   gelatine-resorcine-formol, in aor-  
   tic dissection repair, *Dec.*,  
   946-947  
 Glutaraldehyde-preserved umbilical  
 veins: as coronary bypass  
 grafts, *Oct.*, 784  
 Gowns: protective, and HIV, *Apr.*,  
 247-248  
 Graft  
   bypass (*see* Bypass)  
   Dacron, in innominate artery  
   trauma repair, *May*, 325  
   material for femoral artery repair  
   after blunt trauma, *May*,  
   341  
   muscle, for infected wound cov-  
   erage, *Aug.*, 594-595  
   omental (*see* Omentoplasty)  
   vein, for reconstruction of poste-  
   rior tibial artery after blunt  
   trauma, *May*, 350  
 Great vessels: blunt trauma to, *May*,  
 331-333  
 Gunshot wounds: of rectum, man-  
 agement of, *Sept.*, 683

## H

Health care workers  
   hepatitis B transmission to (*see*  
   Hepatitis, B transmission to  
   health care workers)  
   HIV serologic testing in (*see* HIV,  
   serologic tests for, in health  
   care workers)  
   HIV transmission to (*see* HIV,  
   transmission to health care  
   workers)  
 Heart (*see* Cardiac)  
 Hematoma  
   retroperitoneal, after blunt  
   trauma, *May*, 294  
   subdural, drainage of, *Sept.*,  
   684-685  
 Hemodynamic alterations: after dis-  
 tal aortic cross-clamping,  
*Nov.*, 869-874  
 Hemolytic anemia: autoimmune,  
 and primary sclerosing  
 cholangitis, *Mar.*, 162  
 Hemorrhage  
   (*See also* Bleeding)  
   into abscesses, *Aug.*, 585  
   mediastinal, CT of, *May*, 308  
 Hemovac polyvinylchloride drain:  
 with collapsible drum reser-  
 voir, *Aug.*, 571  
 Hepatic  
   (*See also* Liver)  
   cysts, anatomic classification,  
   *June*, 373  
   duct adenocarcinoma, cholangio-  
   gram, *Mar.*, 170, 177  
   fibrosis and choledochal cysts,  
   *June*, 375  
   vein trauma, blunt, *May*, 331-  
   333  
 Hepatitis  
   B transmission to health care  
   workers  
     annual experience, *Apr.*, 238  
     prevention, OSHA procedures  
     for, *Apr.*, 242  
   B transmission from surgeon to  
   patient, and mandatory test-  
   ing, *Apr.*, 268



- C transmission from surgeon to patient, and mandatory testing, *Apr.*, 268
- chronic, in primary sclerosing cholangitis, staging criteria for, *Mar.*, 151
- Hepatocoejunostomy: Roux-en-Y, after choledochal cyst excision, *June*, 394
- Hernia
  - hiatal
    - barium study in, *July*, 489
    - endoscopy in, *July*, 502-503
    - esophageal clearance and, *July*, 488
    - esophageal propulsion and, *July*, 448
  - paraesophageal
    - endoscopy in, *July*, 503
    - type II, roentgenogram, *July*, 505
- Herniorrhaphy
  - cefonicid prophylaxis for, *Sept.*, 644
  - inguinal, suction drainage after, *Sept.*, 648
- Heterosexual HIV transmission, *Apr.*, 223
  - number of cases ascribed to, *Apr.*, 227
- Hiatal
  - dissection in Nissen fundoplication, completed, *July*, 512
  - hernia (see Hernia, hiatal)
- Histologic features: of aortic dissection, *Dec.*, 928-930
- History
  - coronary artery bypass surgery, *Oct.*, 743-752
  - of HIV infection, *Apr.*, 222-223
  - after neck trauma, penetrating, *Jan.*, 23
- HIV
  - DNA analysis, *Apr.*, 255
  - infection, *Apr.*, 207-280
    - AZT in (see Azidothymidine in HIV infection)
    - classification, *Apr.*, 217-218
    - clinical consequences, *Apr.*, 214-216
    - complications, clinical, *Apr.*, 218-219
    - complications, late, frequency of, *Apr.*, 216
    - epidemiology, *Apr.*, 222-229
    - epidemiology, trends and projections, *Apr.*, 227-229
    - features, unique, *Apr.*, 221-222
    - historic landmarks, *Apr.*, 207-211
    - history, *Apr.*, 222-223
    - history, natural, *Apr.*, 211-222
    - mortality, *Apr.*, 211
    - pathophysiology, *Apr.*, 211-213
    - prevalence, estimates for, *Apr.*, 229
    - projections for U.S. and world, *Apr.*, 229
    - seroprevalence rates, *Apr.*, 226
    - staging, *Apr.*, 217-218
    - surgeons and, *Apr.*, 207-280
    - treatment, *Apr.*, 220-221
  - in orthopedic surgeons, serosurvey of, *Apr.*, 241
  - serologic tests for, *Apr.*, 229-235
    - accuracy, *Apr.*, 233-234
    - alternative, *Apr.*, 234-235
    - guidelines, *Apr.*, 229-233
    - in health care workers, *Apr.*, 249-250
    - in health care workers, chronology of testing, *Apr.*, 262-263
    - in health care workers, costs of, *Apr.*, 264
    - recommendations, *Apr.*, 231
  - transmission
    - during dental procedure, invasive, *Apr.*, 210
    - to health care workers (see below)
    - heterosexual, number of cases ascribed to, *Apr.*, 227
    - mechanism, *Apr.*, 223-226
    - from surgeon to patient (see below)
  - transmission to health care workers, *Apr.*, 235-253
    - annual experience, *Apr.*, 238
    - blood contacts during surgical procedures and, *Apr.*, 240

HIV (*cont.*)

- management after, *Apr.*, 249
- management after, recommendations, *Apr.*, 248-253
- management after, San Francisco General Hospital schema, *Apr.*, 252
- prevention, *Apr.*, 241-248
- prevention, operating room procedures for, *Apr.*, 246
- prevention, OSHA procedures for, *Apr.*, 242
- risk of, *Apr.*, 235-253
- risk of, assessment, *Apr.*, 235-241
- transmission from surgeon to patient, *Apr.*, 253-271
- death risk after, *Apr.*, 259
- estimated number of cases, *Apr.*, 258
- Gallup poll results related to, *Apr.*, 267
- prevention, CDC recommendations for, *Apr.*, 269
- wasting syndrome, *Apr.*, 218
- HLA antigens: and primary sclerosing cholangitis, *Mar.*, 159-160
- Holter electrocardiography: before aortic surgery, *Nov.*, 841
- Homologous veins: as coronary bypass grafts, *Oct.*, *Oct.*, 784
- Horseshoe kidney: and aortic surgery, *Nov.*, 836-837
- Human immunodeficiency virus (*see* HIV)
- Human leukocyte antigens: and primary sclerosing cholangitis, *Mar.*, 159-160
- Humerus fracture: and axillary artery injury, *May*, 335-336
- Hydrogen injection: into lumbar radicular artery, *Nov.*, 869
- Hyperalimentation: percutaneous transhepatic, and biliary drainage catheters, *Sept.*, 699
- Hyperbilirubinemia: conjugated, and choledochal cyst, *June*, 385
- Hypercholesterolemia: and saphenous vein graft atherosclerosis, *Oct.*, 774

- Hyperlipidemia: and saphenous vein graft atherosclerosis, *Oct.*, 772-774
- Hypertension: in aortic dissection, *Dec.*, 929
- Hypertensive lower esophageal sphincter, *July*, 449
- Hypertrophic osteoarthropathy: juvenile, and primary sclerosing cholangitis, *Mar.*, 162
- Hypochlorhydria: ambulatory 24-hour gastric pH in, *July*, 538
- Hypopharynx
  - exposure for cricomyotomy, *July*, 444
  - "shoulder pressure" on manometry during swallowing, *July*, 441
- Hypotension: prevention after aortic unclamping, *Nov.*, 878-881
- Hypothermia: deep, with circulatory arrest, in proximal aortic surgery, *Nov.*, 858-861
- Hysterectomy, drainage after, *Sept.*, 662-664
  - vs. antibiotics, *Sept.*, 663

I

- Iatrogenic causes
  - of aortic dissection, *Dec.*, 929-930
  - of pharyngoesophageal swallowing disorders, *July*, 443
- Ileal pouch
  - anal anastomosis, *Feb.*, 72-131
    - age and, *Feb.*, 79
    - anal sphincter resting pressure after, *Feb.*, 106-108
    - anal sphincter squeeze pressure after, *Feb.*, 108
    - anastomosis in, Allis clamps in, *Feb.*, 88
    - anastomosis in, complications after, *Feb.*, 91-92
    - anastomosis type in, *Feb.*, 81
    - anorectal angle after, *Feb.*, 109
    - anorectal sensation after, *Feb.*, 108-109
    - applications, *Feb.*, 121-122
    - benefits, *Feb.*, 120

- bowel function after, *Feb.*, 93-95
- cancer after, *Feb.*, 100
- for colitis, indeterminate, *Feb.*, 77-78
- for colitis, ulcerative, chronic, *Feb.*, 74-76
- for colitis, ulcerative, chronic, results, *Feb.*, 103-105
- completed, illustration, *Feb.*, 89
- complications after anastomosis, *Feb.*, 91-92
- complications after ileostomy closure, *Feb.*, 92-93
- complications after, late, *Feb.*, 99-103
- complications after, late, reoperation for, *Feb.*, 100-101
- conclusions, *Feb.*, 124
- continence after, *Feb.*, 94
- contraindications, *Feb.*, 79
- delivery after, *Feb.*, 96-98
- development, *Feb.*, 72-73
- diseases treated by, *Feb.*, 74-78
- enteric content after, *Feb.*, 117
- enteric motility after, proximal, *Feb.*, 116
- enterotomy in, posterior, *Feb.*, 85
- failure, *Feb.*, 105, 106
- fistula after, *Feb.*, 99
- ileal pouch in, J-shaped, illustration, *Feb.*, 81
- ileal pouch in, site of, *Feb.*, 83
- ileal pouch in, type of, *Feb.*, 80-81
- ileostomy for, *Feb.*, 81-82
- ileostomy for, complications after closure, *Feb.*, 92-93
- indications, *Feb.*, 74-79
- J-pouch septum after, *Feb.*, 100
- long efferent limb after, *Feb.*, 99
- midpouch leaks after, *Feb.*, 99
- morbidity after, *Feb.*, 91, 92
- mortality after, *Feb.*, 90-91
- mucosal resection in, extent of, *Feb.*, 79-80
- neorectal distensibility and capacity after, *Feb.*, 111-113
- neorectal evacuation after, *Feb.*, 114-115
- neorectal motility after, *Feb.*, 113-114
- operative management, *Feb.*, 79-90
- operative procedure, *Feb.*, 83-87
- operative technique, first stage, *Feb.*, 82-88
- operative technique, first stage, postoperative care, *Feb.*, 87-88
- operative technique, second stage, *Feb.*, 88-90
- operative technique, second stage, postoperative care, *Feb.*, 89-90
- operative technique, selection of, *Feb.*, 79-82
- outcome, *Feb.*, 106
- patient factors, *Feb.*, 79
- physiologic implications, *Feb.*, 105-118
- physiologic implications, summary, *Feb.*, 117-118
- for polyposis, familial adenomatous, *Feb.*, 78
- for polyposis, familial adenomatous, results, *Feb.*, 103-105
- pouchitis after, *Feb.*, 101-103
- pregnancy after, *Feb.*, 96-98
- preoperative preparation, *Feb.*, 82-83
- quality of life after, *Feb.*, 95-96
- rationale *Feb.*, 73-74
- rectal and anal motility coordination after, *Feb.*, 116
- rectal muscular cuff length in, *Feb.*, 80
- rectoanal inhibitory reflex after, *Feb.*, 109-110
- results, *Feb.*, 90-105
- results, early, *Feb.*, 90-93
- results, late, *Feb.*, 93-103
- results, Mayo Clinic series, *Feb.*, 90
- retractors in, Gelpi, *Feb.*, 86
- risks, *Feb.*, 120
- sexual function after, *Feb.*, 96-98
- stapler in, GIA, *Feb.*, 84

Ileal pouch (*cont.*)

- stool frequency after, *Feb.*, 94
- strictures after, *Feb.*, 99
- submucosal dissection in, *Feb.*, 87
- summary, *Feb.*, 124
- distal rectal anastomosis, *Feb.*, 122-124
- diagram, *Feb.*, 123

Ileorectal anastomosis (*see* Colectomy, abdominal, and ileorectal anastomosis)

Ileostomy

- Brooke, *Feb.*, 119
- applications, *Feb.*, 119
- benefits, *Feb.*, 119
- quality of life after, *Feb.*, 95-96
- risks, *Feb.*, 119
- continent, *Feb.*, 120-121
- applications, *Feb.*, 120-121
- benefits, *Feb.*, 120
- risks, *Feb.*, 120
- for ileal pouch-anal anastomosis, *Feb.*, 81-82
- complications after closure, *Feb.*, 92-93

Iliac vessels: blunt trauma to, *May*, 331-333

imaging

- of choledochal cysts, *June*, 385-392
- magnetic resonance (*see* Magnetic resonance imaging)
- three-dimensional pressure, of lower esophageal sphincter, *July*, 498-500

Immune thrombocytopenic purpura: and primary sclerosing cholangitis, *Mar.*, 162

Immunity: and primary sclerosing cholangitis, *Mar.*, 159-163

Immunodeficiency

- in children, and primary sclerosing cholangitis, *Mar.*, 162
- syndrome, acquired (*see* AIDS) virus, human (*see* HIV)

Immunomechanisms: of primary sclerosing cholangitis, *Mar.*, 160-162

Immunosorbent assay: enzyme-linked, for HIV, *Apr.*, 229-230

Immunosuppression: in primary sclerosing cholangitis, *Mar.*, 179

Incision

- of abscess, peritonsillar, *Aug.*, 588
- double-incision technique for leg fasciotomy, *May*, 343-345

neck

- base, for penetrating trauma, *Jan.*, 26

- for cricomyotomy, *July*, 443

Incontinence: fecal, after ileal pouch-anal anastomosis, *Feb.*, 93-94

Indomethacin: effect on neurologic ischemia during aortic surgery, *Nov.*, 855

Infarction: myocardial, during coronary bypass, *Oct.*, 755-762

Infection

- drainage in, therapeutic, *Aug.*, 578-610
- postoperative, and aortography, *Nov.*, 838
- of prosthetic devices, suction drains in, *Aug.*, 593
- suppurative (*see* Abscess)
- unusual, and primary sclerosing cholangitis, *Mar.*, 162
- wound (*see* Wound, infections)

Infectious complications: of penetrating neck trauma, *Jan.*, 51-52

Inflammation: of choledochal cysts, *June*, 375, 376

Inflammatory bowel disease and primary sclerosing cholangitis, *Mar.*, 163-166

colonic disease patterns in, *Mar.*, 164

survival, *Mar.*, 165

type of, *Mar.*, 164

Informed consent: for HIV testing, *Apr.*, 230

Infusion system: for standard esophageal manometry in esophageal motility disorders, *July*, 459

- Inguinal herniorrhaphy: suction drainage after, *Sept.*, 648
- Injury (see Trauma)
- Innominate artery trauma, blunt, *May*, 323-324  
pseudoaneurysm due to, *May*, 324  
repair, Dacron graft, *May*, 325
- Intimal intussusception: and aortic dissection, *Dec.*, 932
- Intoxication: water, during somatostatin therapy for pancreatic fistula, *Sept.*, 693
- Intra-abdominal  
(See also Abdomen)  
abscess (see Abscess, intra-abdominal)  
infections, drainage of, *Aug.*, 599-608  
pressure, and drains, *Aug.*, 574-576
- Intrahepatic cyst: in Caroli's disease, ultrasound, *June*, 404
- Intrathecal catheters: during aortic surgery, *Nov.*, 876-878
- Intrathoracic pressure: and drains, *Aug.*, 576
- Intravenous catheters: during aortic surgery, *Nov.*, 878
- Intubation after penetrating neck trauma, *Jan.*, 36-37  
larynx fracture and, *Jan.*, 22
- Intussusception: intimal, and aortic dissection, *Dec.*, 932
- Ion concentrations: and neurologic ischemia during aortic surgery, *Nov.*, 853-855
- Irrigation-closed suction drainage system: functional aspects of, *Aug.*, 594
- Ischemia  
myocardial, detection by Holter monitoring, *Nov.*, 841  
neurologic, during proximal aortic surgery, *Nov.*, 850-855  
blood flow and, *Nov.*, 852-853  
calcium and, *Nov.*, 853-854  
cellular damage and, *Nov.*, 853-854  
depolarization and, *Nov.*, 854  
DNA and, *Nov.*, 855  
fatty acids and, free, *Nov.*, 854-855  
ion concentrations and, *Nov.*, 853-855  
lactic acid and, *Nov.*, 853  
membrane transmitters and, *Nov.*, 854  
metabolic activity and, *Nov.*, 853-855  
prostaglandins and, *Nov.*, 854-855  
renal, during distal aortic cross-clamping, *Nov.*, 861-862  
spinal cord, during distal aortic cross-clamping, *Nov.*, 861-862
- ## J
- Jackson-Pratt drain, *Aug.*, 571  
contrast sinogram obtained via, *Aug.*, 573
- Jaundice: and choledochal cysts, *June*, 383
- Jejunal interposition: for esophageal replacement, *July*, 479
- Jejunostomy: Roux-en-Y choledochal cyst, *June*, 394
- Joint effusion: traumatic, percutaneous catheter drainage of, *Sept.*, 701-702
- Judkins catheter: for cardiac catheterization, *Nov.*, 838
- Juvenile (see Children)
- ## K
- Kaplan-Meier survival curves  
after aortic dissection repair, *Dec.*, 983, 984  
for cholangitis, primary sclerosing, *Mar.*, 153, 154
- Kaposi's sarcoma: and HIV infection, *Apr.*, 219
- Kidney  
(See also Renal)  
abscess, percutaneous drainage of, *Sept.*, 699  
failure, contrast media-related, and aortography, *Nov.*, 837

## Kidney (*cont.*)

- fracture, upper pole, *May*, 331, 332
- horseshoe, and aortic surgery, *Nov.*, 836-837
- injuries, drainage of, *Sept.*, 684
- nonfunction of, complete, nephrotomogram of, *May*, 330

## Knee

- dislocation, popliteal artery occlusion after, *May*, 341
- replacement, total, suction drainage after, *Sept.*, 648

Kock pouch (*see* Ileostomy, continent)

## L

Labetalol: in aortic dissection, *Dec.*, 941

Laboratory studies: in choledochal cyst, *June*, 385

Lactic acid: and neurologic ischemia during aortic surgery, *Nov.*, 853

Laparoscopic approaches: to pelvic and tubo-ovarian abscesses, *Aug.*, 603

Laparotomy: drainage after, *Sept.*, 651-652

Larynx fracture: and intubation after penetrating neck trauma, *Jan.*, 22

Laser cauterization: percutaneous, of bile duct tumors, *Sept.*, 590

## Latex

Malecot catheter, four-wing, *Aug.*, 570

Penrose drain, *Aug.*, 570

## Lavage

- corticosteroid, in primary sclerosing cholangitis, *Mar.*, 180
- peritoneal
  - in pancreatitis, *Sept.*, 691
  - in peritonitis, *Aug.*, 601

## Leg

- (*See also* Extremities)
- fasciotomy, double-incision technique, *May*, 343-345

Legal implications: of HIV testing in health care workers, *Apr.*, 264-265

Leukocyte antigens: human, and primary sclerosing cholangitis, *Mar.*, 159-160

Leukotriene D<sub>4</sub>: and reperfusion during aortic surgery, *Nov.*, 856-857

Lidocaine: during deep hypothermia with circulatory arrest, *Nov.*, 860

Lilly's method: of intramural resection of choledochal cyst, *June*, 398, 399

## Liver

(*See also* Hepatic)

- abscess, percutaneous catheter drainage of, *Sept.*, 697-698
- biopsy of choledochal cysts, *June*, 375

histopathologic changes in primary sclerosing cholangitis, spectrum of, *Mar.*, 147

## injuries

bile duct drainage after, common, *Sept.*, 677-678

bile fistulas after, drainage of, *Sept.*, 677

drainage of, *Sept.*, 673-678

transplantation (*see* Transplantation, liver)

Lung (*see* Pulmonary)

Lymphoma: B-cell, in HIV infection, *Apr.*, 219

## M

Macroscopic changes: in primary sclerosing cholangitis, *Mar.*, 150-151

- Magnetic resonance imaging
  - of aortic aneurysm, proximal descending, *Nov.*, 832
  - of aortic dissection, *Dec.*, 936, 937
  - before aortic surgery, *Nov.*, 831-833

Malecot catheter: four-wing latex, *Aug.*, 570

- Mammary artery coronary bypass graft, internal angiograms of, postoperative, Oct., 777
- bilateral, Oct., 752
- bovine, Oct., 784
- clinical impact of, Oct., 779-782
- patency, Oct., 777-779
- risk of reoperation and, Oct., 782
- sequential vein graft and, Oct., 750
- Y grafts with saphenous veins and, Oct., 751
- Mandible subluxation: exposure of distal internal carotid artery after, Jan., 16
- Manometry
- esophageal, ambulatory, 24-hour in esophageal motility disorders, July, 464-466
- in esophageal motility disorders, comparison of classification and, July, 450
- in esophageal motility disorders, transducer placement for, July, 465
- in nutcracker esophagus, July, 466
- peristaltic contractions on, July, 451
- of esophageal body in gastroesophageal reflux, July, 500-501
- of esophageal sphincter, lower in gastroesophageal reflux, July, 497-500
- normal values, July, 500
- esophageal, standard, in esophageal motility disorders, July, 459-562
- comparison of classification and manometry, July, 450
- graphic display, July, 461
- primary, characteristic findings, July, 462
- transducer positions in, July, 460
- typical records, July, 463
- findings after cricomyotomy, July, 446
- gastroduodenal, in gastroduodenal motor disorders, July, 531-532
- during swallowing
- of cricopharyngeal sphincter contraction, premature, July, 440
- of cricopharyngeal sphincter relaxation absence, July, 439
- of hypopharyngeal "shoulder pressure" and normal relaxation of upper esophageal sphincter, July, 441
- of pharyngeal pressure wave absence, July, 441
- of pharyngoesophageal segment, July, 437-439
- Marfan's syndrome: and aortic dissection, Dec., 927
- Marrow transplantation: primary sclerosing cholangitis after, Mar., 163
- Marsupialization: of pancreatic abscess, Aug., 606, 607
- Mastectomy
- chemical sclerosis after, Sept., 644
- drainage for, closed suction vs. passive, Sept., 647
- Mastoid abscess: subperiosteal, mastoidectomy in, Aug., 599
- Meal, liquid and solid, gastric emptying of, July, 534
- correlation with ambulatory 24-hour gastric pH, July, 538
- Mediastinal
- hemorrhage, anterior, CT of, May, 308
- infections, drainage of, Aug., 608-610
- Mediastinitis
- after coronary bypass, treatment, Oct., 767-768
- poststernotomy, omentoplasty in, Aug., 610
- Membrane
- basement, and aortic dissection, Dec., 929
- transmitters and neurologic ischemia during aortic surgery, Nov., 854

- Mesenteric**  
artery trauma, blunt  
inferior, *May*, 328-329  
superior, *May*, 327-328  
vein trauma, blunt  
inferior, *May*, 328-329  
superior, *May*, 327-328
- Metabolic activity: and neurologic**  
ischemia during aortic surgery, *Nov.*, 853-855
- Metronidazole**  
in abscesses, *Aug.*, 586, 587  
for pouchitis after ileal pouch-anal anastomosis, *Feb.*, 103
- Metoprolol in aortic dissection,**  
*Dec.*, 941  
acute distal, *Dec.*, 943
- Missiles causing neck trauma**  
cavitation effect of, *Jan.*, 20  
embolization due to, *Jan.*, 21
- Mitomycin-C: primary sclerosing**  
cholangitis after, *Mar.*, 163
- Monitoring**  
during aortic surgery, *Nov.*, 875-876  
EEG, during deep hypothermia with circulatory arrest, *Nov.*, 858-861  
physiologic, outpatient, in functional foregut disorders, *July*, 427-429
- Morbidity**  
of coronary bypass, *Oct.*, 753  
after ileal pouch-anal anastomosis, *Feb.*, 91, 92
- Mortality**  
of abdominal vascular trauma, blunt, *May*, 328  
of AIDS, *Apr.*, 211  
of aortic dissection, *Dec.*, 926, 932  
of carotid artery trauma, blunt, *May*, 299  
of cholangitis, primary sclerosing, *Mar.*, 157  
of coronary bypass (see Bypass, coronary artery, mortality)  
of HIV infection, *Apr.*, 211  
after HIV transmission from surgeon to patient, *Apr.*, 259  
after ileal pouch-anal anastomosis, *Feb.*, 90-91
- MRI (see Magnetic resonance imaging)**
- Mucosa**  
biliary, lining choledochocoele, *June*, 377  
resection, extent in ileal pouch-anal anastomosis, *Feb.*, 79-80
- Muscle(s)**  
in cricomyotomy, views of, *July*, 444  
grafts for infected wound coverage, *Aug.*, 594-595  
rectal, cuff length in ileal pouch-anal anastomosis, *Feb.*, 80  
trauma, penetrating cervical, management, *Jan.*, 51
- Mutamycin: primary sclerosing**  
cholangitis after, *Mar.*, 163
- Mycobacterium avium infection:**  
disseminated, and HIV, *Apr.*, 218
- Myocardial**  
infarction during coronary bypass, *Oct.*, 755-762  
ischemia, detection by Holter monitoring, *Nov.*, 841  
protection  
during aortic surgery, proximal, *Nov.*, 846-850  
during coronary bypass, *Oct.*, 756-762
- Myotomy**  
cricopharyngeal (see Cricomyotomy)  
esophageal, long, for esophageal motility disorders, *July*, 467-472  
completed, *July*, 469  
esophageal contractions after, *July*, 472-473  
indications, *July*, 467-469  
manometry after, standard, *July*, 471  
results, *July*, 471-472  
results, summary, *July*, 470  
technical considerations, *July*, 469-471



of esophageal sphincter, lower,  
for esophageal motility disorders,  
*July*, 472-478  
cardia reconstruction after,  
*July*, 477  
exposure of esophagus in, *July*,  
475  
gastroesophageal fat pad re-  
moval in, *July*, 476  
gastroesophageal reflux after,  
*July*, 474  
indications, *July*, 472-474  
results, *July*, 477-478  
results, follow-up, *July*, 474  
technical considerations, *July*,  
475-477

## N

Nasogastric tube: decompression of  
esophageal perforation via,  
*Aug.*, 610

## Neck

(See also Cervical)

clinical zones, *Jan.*, 15

incision and exposure for crico-  
myotomy, *July*, 443

trauma, blunt vascular, *May*,  
295-301

mechanisms of injury, *May*,  
293

trauma, penetrating, *Jan.*, 11-56  
anatomic considerations, *Jan.*,  
13-18

anesthetic considerations, *Jan.*,  
35-37

base of neck, incisions for, *Jan.*,  
26

clinical findings associated  
with, *Jan.*, 25

conclusions, *Jan.*, 52-53

cost calculation, *Jan.*, 34

cost of management, *Jan.*, 34

diagnosis, *Jan.*, 23-35

evaluation, *Jan.*, 23-35

glandular, management, *Jan.*,  
50-51

history, *Jan.*, 11-13

infectious complications, *Jan.*,  
51-52

mechanism of injury, *Jan.*,  
18-21

missiles causing, cavitation ef-  
fect of, *Jan.*, 20

muscular, management, *Jan.*,  
51

nerve, management, *Jan.*, 50

perioperative care, *Jan.*, 21-37

preoperative preparation, *Jan.*,  
35

resuscitation after, *Jan.*, 21-23  
soft tissue, management, *Jan.*,  
51

specific injuries, management,  
*Jan.*, 43-51

surgical exposure, technique,  
and initial surgical manage-  
ment, *Jan.*, 37-42

vascular, management, *Jan.*,  
45-50

venous, management, *Jan.*,  
49-50

triangles, anterior and posterior,  
*Jan.*, 14

Necrosis: infected pancreatic, drain-  
age of, *Aug.*, 605-608

Necrostomy: radical, in acute pan-  
creatitis, *Aug.*, 607

Needle aspiration of abscesses (see  
Aspiration, needle, of ab-  
scesses)

Needlestick injuries: and HIV, *Apr.*,  
237-238

## Neorectal

distensibility and capacity after  
ileal pouch-anal anastomo-  
sis, *Feb.*, 111-113

evacuation after ileal pouch-anal  
anastomosis, *Feb.*, 114-115

motility after ileal pouch-anal  
anastomosis, *Feb.*, 113-114

## Nephropathy

AIDS, *Apr.*, 213

membranous, and primary scler-  
osing cholangitis, *Mar.*, 162

Nephrotomogram: of complete non-  
function of kidney, *May*, 330

## Nerve

block, glossopharyngeal, for rigid  
esophagoscopy, *July*, 442

*Nerve (cont.)*

- injuries, penetrating cervical, management, *Jan.*, 50
- phrenic, dysfunction, causing respiratory complications after coronary bypass, *Oct.*, 765-766

*Neurologic deficit*

- after deep hypothermia with circulatory arrest, *Nov.*, 861
- repair of penetrating neck trauma and, *Jan.*, 38-40
- ischemia (see Ischemia, neurologic)
- reperfusion in proximal aortic surgery, *Nov.*, 850-851, 855-858

*Neuromuscular diseases: causing pharyngoesophageal swallowing disorders, July*, 433

*Neutrophil(s)*

- abscesses and, *Aug.*, 585
- response, chemiluminescent, to succinic acid, *Aug.*, 582, 583
- Niacin-colestipol therapy: and saphenous vein graft patency, *Oct.*, 776

*Nifedipine: in aortic dissection, Dec.*, 943

*Nissen fundoplication*

- completed, *July*, 517
  - division of short gastric vessels in, *July*, 513
  - esophageal sphincter pressure profile after, three-dimensional lower, *July*, 525
  - hiatal dissection in, completed, *July*, 512
  - placement of horizontal mattress stitch and pledget positions in, *July*, 514
  - position of U-stitch and pledgets in, *July*, 516
  - results, *July*, 524
  - success rate, actuarial, *July*, 523
  - technical aspects, *July*, 512-519
- Nitroglycerin use: during aortic surgery, Nov.*, 879-880

*Nitroprusside: in aortic dissection, Dec.*, 940-941

- Nutcracker esophagus, *July*, 449
- ambulatory motility record in, *July*, 466

**O**

*Obesity*

- ileal pouch-anal anastomosis and, *Feb.*, 79
- operations for, drainage after, *Sept.*, 651
- wound complications after coronary bypass and, *Oct.*, 767

*Occlusion after blunt trauma*

- popliteal artery, *May*, 341
- renal artery, *May*, 333
- subclavian artery, *May*, 321
- tibial artery

anterior, *May*, 349

posterior, *May*, 348

vertebral artery, *May*, 300, 302

*Ocular procedures: routine drainage in, Sept.*, 644

*Omental preservation: in ileal pouch-anal anastomosis, Feb.*, 83

*Omentoplasty*

- after liver injuries, *Sept.*, 678
- in mediastinitis, poststernotomy, *Aug.*, 610
- in pelvis after rectal excision, *Sept.*, 660

*Operating room procedures: to reduce risk of exposure to HIV and other blood-borne pathogens, Apr.*, 246

*Orientals: choledochal cysts in, June*, 381

*Oropharyngeal phase: of swallowing, sequence of events during, July*, 430

*Orthopedic*

- injury (see Bony injury)
- surgeons, serosurvey of HIV in, *Apr.*, 241

*OSHA procedures: for occupational exposure to hepatitis B and HIV, Apr.*, 242

Osteoarthropathy: juvenile hypertrophic, and primary sclerosing cholangitis, *Mar.*, 162

**Osteomyelitis**

cervical, after penetrating trauma, *Jan.*, 51-52

excision of dead bone in, *Aug.*, 599

Ostomy decompression: after duodenal injuries, *Sept.*, 672-673

**Oxygen**

delivery in cardioplegic solution during aortic surgery, *Nov.*, 848-849

free radicals and reperfusion during aortic surgery, *Nov.*, 855-857

Oxygenated crystalloid solution: in coronary bypass surgery, *Oct.*, 759

**P**

**Pain**

in aortic dissection, acute, *Dec.*, 932-933

**chest**

balloon distention of esophagus for, *July*, 464

edrophonium test for, *July*, 462-464

esophageal contractions and, high amplitude, *July*, 452

esophageal motor abnormalities causing, mechanism of, *July*, 453

as indication for antireflux procedure, *July*, 508

**Pancreas**

abscess, drainage of percutaneous catheter, *Sept.*, 697

therapeutic, *Aug.*, 605-608

ascites, drainage of, *Sept.*, 690-693

enzymes in choledochal cysts, *June*, 378

fistula (see *Fistula*, pancreatic) injuries, drainage after, *Sept.*, 666-671

adequacy of, complications related to, *Sept.*, 670

necrosis, infected, drainage of, *Aug.*, 605-608

pseudocyst (see *Pseudocyst*, pancreatic)

Pancreaticobiliary ductal system: anomalous arrangement in choledochal cyst, *June*, 378

**Pancreatitis**

**acute**

drainage of, *Sept.*, 690-691

necroscopy in, radical, *Aug.*, 607

choledochal cyst and, *June*, 383-384

Paraesophageal hernia (see *Hernia*, paraesophageal)

Paraplegia: due to Surgicel during aortic surgery, *Nov.*, 889

**Parathyroid**

injuries, penetrating, management, *Jan.*, 50-51

surgery, routine drainage in, *Sept.*, 644

Pathogens: blood-borne, operating room procedures to reduce risk of exposure to, *Apr.*, 246

**Pelvic**

abscess, drainage of, *Aug.*, 602-603

percutaneous catheter, *Sept.*, 695

drains, *Sept.*, 658-664

omentoplasty after rectal excision, *Sept.*, 660

sepsis after ileal pouch-anal anastomosis, *Feb.*, 91

Penicillamine: in primary sclerosing cholangitis, *Mar.*, 178-179, 180

Penicillin: in penetrating neck trauma, *Jan.*, 51

Penrose latex drain, *Aug.*, 570

Pentobarbital: effect on neurologic ischemia during aortic surgery, *Nov.*, 855

**Percutaneous**

angioplasty (see *Angioplasty*, percutaneous transluminal coronary)

cholangioplasty for primary sclerosing cholangitis, *Mar.*, 185

Percutaneous (*cont.*)

- dilation in primary sclerosing cholangitis, *Mar.*, 184-186
- drainage, catheter (*see* Drainage, percutaneous catheter, radiographically guided)
- laser cauterization of bile duct tumors, *Sept.*, 590
- Perinatal transmission: of HIV, *Apr.*, 223
- Perinephric abscess: percutaneous catheter drainage of, *Sept.*, 699
- Peripheral vascular procedures: for aortic dissection, *Dec.*, 973
- Peristaltic contractions: in nonobstructive dysphagia, *July*, 451
- Peristomal gastritis, *July*, 528
- Peritoneal
  - dialysis catheter, *Aug.*, 574
  - drains, *Aug.*, 575-576
  - lavage (*see* Lavage, peritoneal)
- Peritonsillar abscess (*see* Abscess, peritonsillar)
- Peroneal vascular trauma: blunt, *May*, 347-350
- Peyronie's disease: and primary sclerosing cholangitis, *Mar.*, 162
- pH
  - blood, management during deep hypothermia with circulatory arrest, *Nov.*, 858-860
- esophageal
  - composite score, *July*, 496
  - in gastroesophageal reflux disease, *July*, 491-497
  - in gastroesophageal reflux disease, display of 24-hour record, *July*, 493
  - in gastroesophageal reflux disease, and simultaneous motility monitoring, *July*, 501
  - normal values, *July*, 494
- gastric
  - ambulatory 24-hour (*see below*) fasting after duodenal switch procedure, *July*, 544
  - postprandial alkalinization, and delayed gastric emptying, *July*, 540

- gastric, ambulatory 24-hour
  - correlation with gastric emptying of solid and liquid meal, *July*, 538
  - in duodenal ulcer, *July*, 538
  - in duodenogastric reflux, *July*, 537
  - in duodenogastric reflux, alkaline, *July*, 529
  - in gastroduodenal motor disorders, *July*, 535-539
  - in hypochlorhydria, *July*, 538
- Phagocytosis: and abscesses, *Aug.*, 585
- Pharyngoesophageal swallowing disorders (*see* Swallowing, disorders, pharyngoesophageal)
- Pharynx
  - contraction
    - cricopharyngeal sphincter contraction during, premature, manometry of, *July*, 440
    - cricopharyngeal sphincter relaxation during, absence of, manometry, *July*, 439
  - injuries, penetrating, management, *Jan.*, 43-45
  - muscles, external, in cricomyotomy, *July*, 444
  - pressure wave absence during swallowing, manometry of, *July*, 441
- Phenytoin: during deep hypothermia with circulatory arrest, *Nov.*, 860
- Phrenic nerve dysfunction: causing respiratory problems after coronary bypass, *Oct.*, 765-766
- Physical examination: after penetrating neck trauma, *Jan.*, 23-25
- Physiologic
  - aspects of pharyngoesophageal swallowing disorders, *July*, 430-434
  - implications of ileal pouch-anal anastomosis, *Feb.*, 105-118
  - summary, *Feb.*, 117-118

- monitoring, outpatient, in functional foregut disorders, *July*, 427-429
- testing, outpatient, in foregut motility disorders, *July*, 425-555
- Plasma-lyte: effect on saphenous vein graft patency, *Oct.*, 774
- Plasminogen activator: tissue, and abscesses, *Aug.*, 586
- Platelet inhibitors: effect on saphenous vein graft patency, *Oct.*, 774-776
- Pledglets: positions in Nissen fundoplication, *July*, 514, 516
- Pneumocystis carinii* pneumonia, *Apr.*, 218
- trimethoprim-sulfamethoxazole prophylaxis in, *Apr.*, 220
- historical background, *Apr.*, 210
- Pneumonia, *Pneumocystis carinii* (see *Pneumocystis carinii* pneumonia)
- Pneumovax vaccine: and splenectomy, *Sept.*, 682
- Polymerase chain reaction: for HIV, *Apr.*, 234-235
- Polyposis, familial adenomatous, ileal pouch-anal anastomosis for, *Feb.*, 78
- results, *Feb.*, 103-105
- Polytetrafluoroethylene grafts: in coronary bypass, *Oct.*, 784
- Polyvinylchloride drain (see Drain, polyvinylchloride)
- Popliteal artery trauma, blunt, *May*, 341-346
- restoration of arterial continuity after, *May*, 346
- Postmenopausal breast abscess: excision of, *Aug.*, 599
- Postoperative care after ileal pouch-anal anastomosis
- first stage, *Feb.*, 87-88
- second stage, *Feb.*, 89-90
- Postprandial alkalization: of gastric pH, and delayed gastric emptying, *July*, 540
- Potassium: high-potassium cardioplegic solution in coronary bypass, *Oct.*, 759
- Pouch
- ileal (see Ileal pouch)
- Kock (see Ileostomy, continent)
- Pouchitis: after ileal pouch-anal anastomosis, *Feb.*, 101-103
- Pregnancy
- aortic dissection and, *Dec.*, 927
- after ileal pouch-anal anastomosis, *Feb.*, 96-98
- Premarital HIV testing: mandatory, *Apr.*, 230
- Prenatal ultrasound: of choledochal cyst, *June*, 382
- Pressure gradients (see Drains, pressure gradients and)
- Procollagen gene: type III, and aortic dissection, *Dec.*, 927
- Proctocolectomy: in ulcerative colitis with sclerosing cholangitis, *Feb.*, 76-77
- Properidin pathways: complement, *Aug.*, 584
- Propranolol: in aortic dissection, *Dec.*, 941
- Prostaglandins: and neurologic ischemia during aortic surgery, *Nov.*, 854-855
- Prostate abscess: transurethral prostatectomy for, *Aug.*, 599
- Prostatectomy: transurethral, for prostate abscess, *Aug.*, 599
- Prosthetic devices: infection of, suction drains in, *Aug.*, 593
- Protamine: and pulmonary edema after coronary bypass, *Oct.*, 765
- Pseudoaneurysm
- aortic
- arch, dorsal and inferior, *May*, 312
- proximal descending, *May*, 310, 311
- proximal, medial, *May*, 313
- carotid artery, after blunt trauma, *May*, 297
- innominate artery, after blunt trauma, *May*, 324
- subclavian artery, after blunt trauma, *May*, 322
- tibial artery, anterior, after blunt trauma, *May*, 349

Pseudocyst, pancreatic, drainage of decompressive, *Sept.*, 693  
percutaneous catheter, *Sept.*, 697  
therapeutic, *Aug.*, 608  
p24 antigen assays: for HIV, *Apr.*, 234-235

Pulmonary  
abscess (see Abscess, lung)  
cardiopulmonary bypass during aortic surgery, *Nov.*, 881-886  
disease, chronic obstructive, and acute distal aortic dissection, management, *Dec.*, 944  
edema after coronary bypass, *Oct.*, 765  
function tests before aortic surgery, *Nov.*, 841-846

Pump  
Bio-Medicus centrifugal, *May*, 320  
intraaortic balloon, after coronary bypass surgery, *Oct.*, 762  
Purpura: immune thrombocytopenic, and primary sclerosing cholangitis, *Mar.*, 162

Pus  
formation, *Aug.*, 578-580  
pathobiology, *Aug.*, 578-586  
Pylephlebitis: percutaneous catheter drainage of, *Sept.*, 699

## Q

Quality of life: after ileal pouch-anal anastomosis, *Feb.*, 95-96

## R

Radial artery: as coronary bypass graft, *Oct.*, 783-784  
Radicular arteries  
course of, *Nov.*, 864  
hydrogen injection into, *Nov.*, 869  
origin of, *Nov.*, 865  
Radiography  
(See also Roentgenography)  
of aortic arch aneurysm, *Nov.*, 835  
of aortic rupture due to blunt trauma, *May*, 306-307  
of choledochal cysts, *June*, 385-392

drainage guided by, percutaneous catheter (see Drainage, percutaneous catheter, radiographically guided)  
in esophageal motility disorders, *July*, 453-458  
of popliteal artery occlusion after knee dislocation, *May*, 341  
techniques in diagnosis of aortic dissection, *Dec.*, 936-940  
Radiology in diagnosis of primary sclerosing cholangitis, *Mar.*, 168-176  
differential, *Mar.*, 176  
Radioscintigraphy: of choledochal cysts, *June*, 386-388  
Ragnall soft rubber tube drain, *Aug.*, 570  
Reconstruction  
cardia, after myotomy, *July*, 477  
vein graft, of posterior tibial artery after blunt trauma, *May*, 350  
Rectoanal (see Anorectal)  
Rectum  
anastomosis, distal, with ileal pouch, *Feb.*, 122-124  
diagram, *Feb.*, 123  
anorectal (see Anorectal)  
excision, drainage after, *Sept.*, 658-661  
ileorectal (see Ileorectal)  
injuries, drainage of, *Sept.*, 682-683  
motility related to anal motility after ileal pouch-anal anastomosis, *Feb.*, 116  
muscular cuff length in ileal pouch-anal anastomosis, *Feb.*, 80  
neorectal (see Neorectal)  
Reflex: rectoanal inhibitory, after ileal pouch-anal anastomosis, *Feb.*, 109-110  
Reflux  
antireflux (see Antireflux)  
duodenogastric  
(See also Gastroduodenal, motor disorders)

- alkaline, ambulatory 24-hour gastric pH records in, *July*, 529
- cholescintigraphy in, *July*, 535, 537
- endoscopy in, *July*, 531
- gastric pH in, ambulatory 24-hour, *July*, 537
- gastroesophageal, *July*, 482-524
- antireflux procedure in (*see* Antireflux, procedure)
- biopsy in, *July*, 501-503
- diagnostic approach, flow chart, *July*, 491
- diagnostic tests, *July*, 490-504
- diagnostic tests, sensitivity and specificity of, *July*, 492
- endoscopy in, *July*, 501-503
- esophageal clearance in, *July*, 486-488
- esophageal contractions in, *July*, 487
- after esophageal myotomy for achalasia, *July*, 474
- fundoplication for, Belsey (*see* Belsey fundoplication)
- fundoplication for, Nissen (*see* Nissen fundoplication)
- gastric function in, abnormal, *July*, 488, 490
- gastroplasty for (*see* Gastroplasty for gastroesophageal reflux)
- imaging of lower esophageal sphincter in, three-dimensional pressure, *July*, 498, 499
- manometry of esophageal body in, *July*, 500-501
- manometry of esophageal sphincter in, lower, *July*, 497-500
- medical management and indications for functional studies in, algorithm, *July*, 506
- pathophysiologic aspects, *July*, 483-490
- pH monitoring in (*see* pH, esophageal, in gastroesophageal reflux disease)
- physiologic aspects, *July*, 483-490
- roentgenography in, video barium contrast, *July*, 503-504
- sphincter defect in, mechanical, *July*, 483-486
- surgical therapy, *July*, 504-524
- trypsin, and choledochal cysts, *June*, 378
- Regurgitation: as indication for antireflux procedure, *July*, 508
- Renal
- (*See also* Kidney)
- artery trauma, blunt, *May*, 329-331
- occlusion due to, *May*, 333
- ischemia during distal aortic cross-clamping, *Nov.*, 861-862
- vein trauma, blunt, *May*, 329-331
- Reoperation: coronary, *Oct.*, 792-797
- Reperfusion: neurologic, in proximal aortic surgery, *Nov.*, 850-851, 855-858
- Resection
- for cholangitis, primary sclerosing, *Mar.*, 181-183
- /stenting for primary sclerosing cholangitis, *Mar.*, 183-184
- mucosal, extent in ileal pouch-anal anastomosis, *Feb.*, 79-80
- Respiratory
- complications
- of aortic dissection, acute distal, management, *Dec.*, 944
- after aortic surgery, and preoperative pulmonary function tests, *Nov.*, 842-846
- after coronary bypass, *Oct.*, 765-766
- failure after aortic surgery, and preoperative pulmonary function tests, *Nov.*, 842-846
- Resuscitation: after penetrating neck trauma, *Jan.*, 21-23
- Retractors: Gelpi, in ileal pouch-anal anastomosis, *Feb.*, 86

- Retroperitoneal  
 fibrosis and primary sclerosing  
 cholangitis, *Mar.*, 162  
 hematoma after blunt trauma,  
*May*, 294
- Revascularization  
 strategies, coronary artery, *Oct.*,  
 769-786  
 of tibial artery, posterior, after  
 blunt trauma, contraindica-  
 tions to, *May*, 351
- Riedel's thyroiditis: and primary  
 sclerosing cholangitis, *Mar.*,  
 162
- Roentgenography  
 (See also Radiography)  
 contrast  
   barium, of cricopharyngeal in-  
   dentation during swallowing,  
   *July*, 436  
   barium, in hiatal hernia, *July*,  
   489  
   barium, video, in gastroesopha-  
   geal reflux, *July*, 503-504  
   motion-recording, in pharyn-  
   goesophageal swallowing disor-  
   ders, *July*, 435-437  
   video study during oropharyn-  
   geal phase of swallowing,  
   *July*, 430  
 in gastroduodenal motor disor-  
 ders, *July*, 530  
 of hernia, type II paraesophageal,  
*July*, 505  
 of stomach, intrathoracic, *July*,  
 504
- Roux-en-Y procedure  
 for choledochal cysts, *June*, 394  
 gastric emptying disorders after,  
*July*, 528
- Rubber tube drain: Ragnall soft,  
*Aug.*, 570
- Rupture  
 of aorta, dissected, *Dec.*, 932  
 of aorta, traumatic, blunt  
   combined with abdominal inju-  
   ries, *May*, 311-313  
   descending, variations, *May*,  
   305  
   mechanisms of injury, *May*, 293  
   radiographs, *May*, 306-307  
   repair, illustrations of, *May*,  
   315-319  
   survival curve, *May*, 304  
   thoracic, CT of, *May*, 308
- bladder, extraperitoneal, drainage  
 for, *Sept.*, 684
- S**
- Salivary gland injuries: penetrating,  
 management, *Jan.*, 51
- Salivation: and esophageal clear-  
 ance, *July*, 487-488
- Saphenous vein coronary bypass  
 graft  
   atherosclerosis, *Oct.*, 773  
   homologous, *Oct.*, 784  
   patency, *Oct.*, 769-776  
   platelet inhibitors and, *Oct.*,  
   774-776  
   stenosis in, clinical implications  
   of, *Oct.*, 776
- Sarcoma: Kaposi's, and HIV infec-  
 tion, *Apr.*, 219
- Scintigraphy  
   of esophageal emptying time after  
   myotomy of lower esopha-  
   geal sphincter, *July*, 478  
   esophagus transit, *July*, 466-  
   467  
   radioscintigraphy of choledochal  
   cysts, *June*, 386-388
- Sclerosing cholangitis (see Cholan-  
 gitis, primary sclerosing)
- Sclerosis: chemical, after mastec-  
 tomy, *Sept.*, 644
- Scolical therapy: and primary  
 sclerosing cholangitis, *Mar.*,  
 163
- Sepsis: pelvic, after ileal pouch-  
 anal anastomosis, *Feb.*, 91
- Serologic tests for HIV (see HIV, se-  
 rologic tests for)
- Sexual  
   function after ileal pouch-anal  
   anastomosis, *Feb.*, 96-98  
   transmission of HIV, *Apr.*, 223
- Shunts: in penetrating neck trauma,  
*Jan.*, 38



- Silastic drain: Jackson-Pratt, with bulb reservoir, *Aug.*, 571
- Sinogram: contrast, obtained via closed suction Jackson-Pratt drain, *Aug.*, 573
- Sinus
- carotid-cavernous sinus fistulas after blunt trauma, management, *May*, 298
  - infections and brain abscess, treatment of, *Aug.*, 597
- Sjögren's syndrome: and primary sclerosing cholangitis, *Mar.*, 162
- Skin preparation: for penetrating neck trauma repair, *Jan.*, 35
- Soft tissue
- abscesses, curettage and closure, *Aug.*, 595-597
  - trauma, penetrating cervical, management, *Jan.*, 51
  - wounds, drainage of (*see Drainage, of soft tissue wounds*)
- Somatostatin: for pancreatic fistula, *Sept.*, 693
- Sonography (*see Ultrasound*)
- Spasm, esophageal (*see Esophagus, spasm*)
- Sphincter
- anal (*see Anal, sphincter*)
  - esophageal (*see Esophagus, sphincter*)
- Spinal
- artery, anterior, size at level of arteria radicularis magna, *Nov.*, 865
- cord
- anatomy and distal aortic cross-clamping, *Nov.*, 862-869
  - blood flow during distal aortic cross-clamping, anatomical influences on, *Nov.*, 866-869
  - blood supply during distal aortic cross-clamping, *Nov.*, 862-869
  - ischemia during distal aortic cross-clamping, *Nov.*, 861-862
  - radicular arteries (*see Radicular arteries*)
  - motor evoked potentials during aortic surgery, *Nov.*, 876, 877
- Spirometry: incentive, in acute distal aortic dissection, *Dec.*, 944
- Splenectomy for trauma: drainage after, *Sept.*, 678-682
- Splenic
- abscess, percutaneous catheter drainage of, *Sept.*, 698-699
  - artery as coronary bypass graft, *Oct.*, 784
- Staphylococcal abscess: of liver, *Sept.*, 698
- Stapled ileal pouch-anal anastomosis, *Feb.*, 81
- Stapler: GIA, in ileal pouch-anal anastomosis, *Feb.*, 84
- Statistical analysis: of early and late survival after aortic dissection repair, *Dec.*, 977, 982-985
- Stenoses
- carotid, combined with coronary artery disease, management and results, *Oct.*, 764
  - saphenous vein graft, in coronary bypass, clinical implications of, *Oct.*, 776
- Stenting: long-term, for primary sclerosing cholangitis, *Mar.*, 183-184
- Sterilization procedures: and HIV, *Apr.*, 244
- Sternal
- blood supply and wound complications after coronary bypass, *Oct.*, 767
  - wound infections, drainage of, *Aug.*, 608-610
- Sterotomy: omentoplasty for mediastinitis after, *Aug.*, 610
- Steroids (*see Corticosteroids*)
- Stitch (*see Suture*)
- Stomach
- (*See also Gastric*)
  - interposition for esophageal replacement for motility disorders, *July*, 479, 480

## **Stomach (cont.)**

- intrathoracic, roentgenogram, *July*, 504
- proximal and distal portions, functions of, *July*, 526
- Stomal varices: after colectomy for primary sclerosing cholangitis, *Mar.*, 165
- Stones: in choledochal cysts, *June*, 375
- Stool frequency after ileal pouch-anal anastomosis, *Feb.*, 94
- pregnancy and delivery and, *Feb.*, 98
- Strictures: after ileal pouch-anal anastomosis, *Feb.*, 99
- Stroke
  - in aortic dissection, acute, *Dec.*, 934
  - coronary artery bypass and, *Oct.*, 755, 762-765
  - after deep hypothermia with circulatory arrest, *Nov.*, 861
- Subclavian artery
  - intimal injury and pseudoaneurysm after blunt trauma, *May*, 322
  - occlusion due to blunt trauma, *May*, 321
  - trauma, blunt, Dacron graft in repair of, *May*, 325
  - vessel trauma, blunt, *May*, 317-323
- Subdural hematoma: drainage of, *Sept.*, 684-685
- Subgaleal abscess: needle aspiration of, *Aug.*, 590
- Subhepatic abscess: after cholecystectomy, drainage of, *Sept.*, 686-687
- Subluxation: mandible, exposure of distal internal carotid artery after, *Jan.*, 16
- Submucosal dissection: in ileal pouch-anal anastomosis, *Feb.*, 87
- Succinic acid: chemiluminescent response of neutrophils to, *Aug.*, 582, 583

## **Suction**

- drains (see Drains, suction)
- irrigation drainage system, closed, functional aspects of, *Aug.*, 594
- Sugar-based preparations: for infected wounds, *Aug.*, 595
- Suicide: and HIV, *Apr.*, 230
- Sulfamethoxazole-trimethoprim prophylaxis against *Pneumocystis carinii* pneumonia, *Apr.*, 220
  - historical background, *Apr.*, 210
- Sump drain (see Drain, sump)
- Superoxide dismutase: and reperfusion during aortic surgery, *Nov.*, 857
- Surgeons
  - HIV infection and, *Apr.*, 207-280
  - HIV transmission to patient (see HIV, transmission from surgeon to patient)
  - orthopedic, serosurvey of HIV in, *Apr.*, 241
- Surgical procedures: blood contacts during, *Apr.*, 240
- Surgicel: during aortic surgery, *Nov.*, 889
- Suture
  - lines, drainage of (see Drainage, of suture lines)
  - mattress, horizontal, placement in Nissen fundoplication, *July*, 514
  - placement in Belsey fundoplication (see Belsey fundoplication, suture placement in)
  - U-, position in Nissen fundoplication, *July*, 516
- Swallowing
  - ability after colon interposition for esophageal replacement, *July*, 481
  - cricopharyngeal indentation during, roentgenogram, *July*, 436
  - disorders, pharyngoesophageal, *July*, 429-446
  - cricomyotomy for (see Cricomyotomy for pharyngoesophageal swallowing disorders)

diagnostic approach, flow chart, *July*, 434  
 diagnostic tests, *July*, 434-442  
 endoscopy in, *July*, 439-440, 442  
 pathophysiologic aspects, *July*, 430-434  
 physiologic aspects, *July*, 430-434  
 roentgenography in, motion-recording contrast, *July*, 435-437  
 surgical therapy, *July*, 442-446

esophageal pressures in response to, intraluminal, *July*, 432  
 foregut pressure profile during, *July*, 431

manometry during (see Manometry, during swallowing)  
 oropharyngeal phase, sequence of events during, *July*, 430

Synthetic grafts: in coronary bypass, *Oct.*, 784

Syphilitic aortitis: and aortic dissection, *Dec.*, 927

## T

Tall patients: ileal pouch-anal anastomosis in, *Feb.*, 79

T cells: in primary sclerosing cholangitis, *Mar.*, 160-161

Technetium-99m-DISIDA scintigraphy  
 in cholangitis, primary sclerosing, *Mar.*, 175-176  
 of choledochal cyst, *June*, 388

Teflon patch: in acute proximal aortic dissection repair, *Dec.*, 954, 956

Tensilon test: for noncardiac chest pain, *July*, 462-464

Terbutaline: for pancreatic fistula, *Sept.*, 693

Thiopental sodium: during neurologic reperfusion in aortic surgery, *Nov.*, 857

Thoracentesis: in thoracic empyema, *Aug.*, 590

## Thoracic

duct injuries, penetrating management, *Jan.*, 50  
 surgical exposure, technique, and initial surgical management, *Jan.*, 42  
 empyema (see Empyema, thoracic)  
 infections, drainage of, *Aug.*, 608-610  
 injuries, drainage of, *Sept.*, 683  
 injuries, vascular, blunt, *May*, 301-326  
 algorithm for evaluation, *May*, 309  
 conclusions, *May*, 326  
 distribution, *May*, 303  
 mechanisms of injury, *May*, 293  
 pain (see Pain, chest)

## Thoracoabdominal aorta

aneurysms, Crawford classification of, *Dec.*, 926  
 repair in chronic distal aortic dissection, *Dec.*, 963-969, 973

Thrombocytopenic purpura: immune, and primary sclerosing cholangitis, *Mar.*, 162

Thrombosis due to blunt trauma  
 axillary artery, *May*, 339  
 carotid artery, internal, *May*, 298  
 Thromboxane: effect on neurologic ischemia during aortic surgery, *Nov.*, 855

## Thyroid

injuries, penetrating, management, *Jan.*, 50  
 surgery, routine drainage in, *Sept.*, 644

Thyroiditis: Riedel's, and primary sclerosing cholangitis, *Mar.*, 162

## Tibial

artery trauma, blunt  
 anterior, *May*, 347-350  
 posterior, *May*, 347-350  
 posterior, contraindications to revascularization after, *May*, 351  
 posterior, vein graft reconstruction after, *May*, 350  
 fracture (see Fracture, tibial)

## Tissue

- plasminogen activator, and abscesses, *Aug.*, 586
- soft (*see* Soft tissue)

## Tomography, computed

- of aorta, descending, three separate channels in, *Nov.*, 831
- of aortic arch aneurysm, *Nov.*, 835
- in aortic dissection, *Dec.*, 936, 937, 938, 939-940
- of aortic rupture, blunt traumatic, *May*, 309-311
- thoracic, *May*, 308
- before aortic surgery, *Nov.*, 829-831
- in cholangitis, primary sclerosing, *Mar.*, 173-175
- of mediastinal hemorrhage, *May*, 308
- in neck trauma, penetrating, *Jan.*, 33
- of pancreatic pseudocysts, *Sept.*, 693

## Tracheoesophageal injuries: penetrating, management, *Jan.*, 45

## Transfusion

- associated AIDS, number of cases, *Apr.*, 228
- autotransfusion during aortic surgery, *Nov.*, 887-890
- homologous, during coronary bypass, *Oct.*, 768

## Transplantation

- bone marrow, primary sclerosing cholangitis after, *Mar.*, 163
- liver
  - cholangitis after, primary sclerosing, *Mar.*, 163
  - in cholangitis, primary sclerosing, *Mar.*, 186-188

## Trauma

- airway, penetrating, management, *Jan.*, 43
- aorta, blunt, *May*, 301-317  
(*See also* Rupture, aortic, traumatic, blunt)
- bony (*see* Bony injury)
- carotid artery (*see* Carotid artery, injuries)
- celiac axis, blunt, *May*, 331-333

- centers, management of penetrating neck trauma in, *Jan.*, 13
- duodenal (*see* Duodenum, injuries)

## duodenal fistula after, lateral, drainage of, *Sept.*, 673

## esophageal, penetrating, management, *Jan.*, 43-45

## femoral artery, blunt, *May*, 340-341

## hepatic vein, blunt, *May*, 331-333

## innominate artery (*see* Innominate artery trauma)

## joint effusions due to, percutaneous catheter drainage of, *Sept.*, 701-702

## kidney, drainage in, *Sept.*, 684

## liver (*see* Liver, injuries)

## management, decompressive drainage in, *Sept.*, 665-685

## mesenteric artery (*see* Mesenteric, artery trauma)

## mesenteric vein (*see* Mesenteric, vein trauma)

## neck (*see* Neck, trauma)

## orthopedic (*see* Bony injury)

## pancreas, drainage after, *Sept.*, 666-671

## adequacy of, complications related to, *Sept.*, 670

## pancreatic fistula after, drainage for, *Sept.*, 669-671

## popliteal artery, blunt, *May*, 341-346

## restoration of arterial continuity after, *May*, 346

## pharyngeal, penetrating, management, *Jan.*, 43-45

## rectum, drainage after, *Sept.*, 682-683

## renal artery, blunt, *May*, 329-331

## occlusion due to, *May*, 333

## renal vein, blunt, *May*, 329-331

## splenectomy for, drainage after, *Sept.*, 678-682

## thoracic, drainage after, *Sept.*, 683

## thoracic duct (*see* Thoracic, duct injuries)

## tibial artery (*see* Tibial, artery trauma)

## Trauma (cont.)

- tracheoesophageal, penetrating, management, *Jan.*, 45
- ureter, drainage after, *Sept.*, 684
- urinary tract, drainage after, *Sept.*, 683-684
- vascular (see Vascular, trauma)
- venae cavae, blunt, *May*, 324
- vertebral artery (see Vertebral artery, injuries)
- Trendelenburg position: mild, after penetrating neck trauma, *Jan.*, 22
- Trichosporon*: and primary sclerosing cholangitis, in children, *Mar.*, 162
- Trimethaphan camsylate: in aortic dissection, *Dec.*, 941
- Trimethoprim-sulfamethoxazole prophylaxis against *Pneumocystis carinii* pneumonia, *Apr.*, 220
  - historical background, *Apr.*, 210
- Trypsin reflux: and choledochal cysts, *June*, 378
- Tube
  - drain, Ragnall rubber soft, *Aug.*, 570
  - nasogastric, decompression of esophageal perforation via, *Aug.*, 610
  - T-tube drainage of common bile duct, *Sept.*, 688-690
- Tuberculosis: and HIV infection, *Apr.*, 219
- Tuberculous cervical abscess: excision and chemotherapy of, *Aug.*, 592
- Tubo-ovarian abscesses: laparoscopic approach to, *Aug.*, 603
- Tumor
  - bile duct, percutaneous laser cauterization of, *Sept.*, 590
  - esophageal, submucosal, endoscopic ultrasound of, *July*, 459
- Twins: choledochal cysts in, *June*, 381

## U

- Ulcer: duodenal, ambulatory 24-hour gastric pH in, *July*, 538
- Ultrasound
  - in abdominal trauma, blunt, *May*, 326
  - of choledochal cyst, *June*, 387-390
  - Doppler, before aortic surgery, *Nov.*, 840-841
  - endoscopic, in esophageal motility disorders, *July*, 458-459
  - gastric emptying measurement by, *July*, 533
  - of intrahepatic cyst in Caroli's disease, *June*, 404
  - prenatal, of choledochal cyst, *June*, 382
- Umbilical veins: glutaraldehyde-preserved, as coronary bypass grafts, *Oct.*, 784
- Universal precautions: and HIV transmission, *Apr.*, 242-245
- Ureter injuries: drainage of, *Sept.*, 684
- Urinary tract injuries: drainage after, *Sept.*, 683-684
- Urinoma, drainage of percutaneous catheter, *Sept.*, 701 after renal trauma, *Sept.*, 684
- Ursodiol: in primary sclerosing cholangitis, *Mar.*, 180-181

## V

- Vaccine
  - AIDS, *Apr.*, 221
  - Pneumovax, and splenectomy, *Sept.*, 682
- Valve, aortic (see Aortic valve)
- Vancomycin: in brain abscesses, *Aug.*, 586
- Varices
  - bleeding, in primary sclerosing cholangitis, surgical management, *Mar.*, 186
  - stomal, after colectomy for primary sclerosing cholangitis, *Mar.*, 165

## Vascular

(See also Vessels)

- cardiovascular alterations after
  - distal aortic cross-clamping, *Nov.*, 869-874
- procedures, peripheral, for aortic dissection, *Dec.*, 973
- resistance, systemic, alterations during aortic surgery, *Nov.*, 871
- trauma
  - blunt (see below)
  - penetrating, cervical, management, *Jan.*, 45-50
- trauma, blunt, *May*, 291-357
  - abdominal (see Abdomen, vascular trauma, blunt)
  - extremities (see Extremities, blunt vascular trauma to)
  - fracture due to, long-bone, *May*, 294
  - great vessels, *May*, 331-333
  - historical perspective, *May*, 291-292
  - iliac, *May*, 331-333
  - mechanisms of injury, *May*, 292-295
  - neck, *May*, 295-301
  - neck, mechanisms of injury, *May*, 293
  - peroneal, *May*, 347-350
  - subclavian, *May*, 317-323
  - thoracic (see Thoracic, injuries, vascular, blunt)

Vasoconstrictors: and surgical drainage, *Sept.*, 647

Vasodilators: in aortic dissection, *Dec.*, 940

## Vein

- extremity, upper, as coronary bypass graft, *Oct.*, 784
- graft reconstruction of posterior tibial artery after blunt trauma, *May*, 350
- hepatic, blunt trauma to, *May*, 331-333
- mesenteric (see Mesenteric, vein)
- neck, management of penetrating trauma to, *Jan.*, 49-50
- pressure, central, alterations during aortic surgery, *Nov.*, 871

renal, blunt trauma to, *May*, 329-331

saphenous (see Saphenous vein)

umbilical, glutaraldehyde-preserved, as coronary bypass grafts, *Oct.*, 784

Venae cavae trauma: blunt, *May*, 324

Vertebral artery

- injuries, blunt, *May*, 299-301
  - chiropractic manipulation causing, *May*, 293, 299, 301
  - mechanisms of injury, *May*, 293
  - occlusion due to, *May*, 300, 302
- injuries, penetrating
  - management, *Jan.*, 47-49
  - surgical exposure, technique, and initial surgical management, *Jan.*, 41-42
- segments, *Jan.*, 1, 18

## Vessels

(See also Vascular)

- cerebrovascular accident and coronary artery bypass, *Oct.*, 755, 762-765
  - gastric, short, division in Nissen fundoplication, *July*, 513
- Video contrast roentgenography
- barium, in gastroesophageal reflux, *July*, 503-504
  - during oropharyngeal phase of swallowing, *July*, 430

## Virus

- culture for HIV, *Apr.*, 234-235
- immunodeficiency, human (see HIV)

Visceral abscesses: percutaneous catheter drainage of, *Sept.*, 697-699

## W

Wasting syndrome: HIV, *Apr.*, 218

## Water

- brash, *July*, 488
- intoxication during somatostatin therapy for pancreatic fistula, *Sept.*, 693

Waterman drain, *Sept.*, 669

Western blot assay: for HIV, *Apr.*, 229-230

Wheat repair of aortic dissection,  
*Dec.*, 946

steps in, *Dec.*, 951

#### Wound

complications after coronary by-  
pass, *Oct.*, 766-768

infections

coverage with muscle grafts,  
*Aug.*, 594-595

after ileal pouch-anal anasto-  
mosis, *Feb.*, 91-92

sternal, drainage of, *Aug.*,  
608-610

sugar-based preparations for,  
*Aug.*, 595

soft tissue, drainage of (*see Drain-  
age, of soft tissue wounds*)

#### Y

Yoga exercises: causing vertebral  
artery injury, *May*, 299

#### Z

Zenker's diverticulum

esophagram, *July*, 435

swallowing disorders and, pha-  
ryngoesophageal, *July*,  
433-434

Zidovudine (*see* Azidothymidine)